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JANUARY 21 1956



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Iron — B₁₂ — C — Folic Acid — Stomach — Liver Fraction — Purified Intrinsic Factor Concentrate

Provides all the principal haematopoietic factors in a single capsule; treatment of the common anaemias is thus reduced to remarkably simple terms. Each capsule contains: Ferr. Sulph. Exsicc. 192 mg., Folic Acid 0.85 mg., Vitamin B₁₂ 10 mcgm., Ascorbic Acid 50 mg., Powdered Stomach 200 mg., Insoluble Liver Fraction 50 mg., Purified Intrinsic Factor 0.5 mg.

Capsules: Bottles of 100 & 1000.

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FOLVITE * Folic Acid

Fourth essential member of the vitamin B complex—is indicated in all megaloblastic anaemias except pernicious anaemia. *Tablets* (5 mg.): Tubes of 25; Bottles of 100 & 1000. *Flixir* (5 mg./5 cc.): Bottles of 4 fl. oz. *Solution* (15 mg./cc.): Vials of 10 cc. and Boxes of 12 x 1 cc. ampoules.

FOLVRON* Folic Acid and Iron

Combines folic acid with ferrous iron and is thus effective both for red cell maturation and haemoglobin production. Each capsule contains: Folvite Folic Acid 1.7 mg., Ferr. Sulph. Exsicc. 0.194 Gm. Capsules: Bottles of 100 & 1000. Elixir: Bottles of 16 fl. oz. Tablets: Bottles of 100 & 1000.

* Regd. Trade Mark



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Cyanamid Products Ltd. BUSH HOUSE, ALDWYCH, LONDON, W.C.2. Temple Bar 5411

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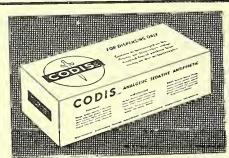
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COMBINED WITH CODEINE PHOSPHATE AND PHENACETIN

THE ASPIRIN contained in "Codis" forms calcium aspirin immediately the tablet is dissolved in water.

So Codis conforms with the growing medical preference for aspirin in soluble form. Codis has all the therapeutic properties of Tab. Codein. Co. B.P., but dissolves more readily and is less likely to cause gastric irritation.

The advantages of Codis, and its consistently high quality are being continually brought to the attention of doctors, and sampling facilities are available to them.



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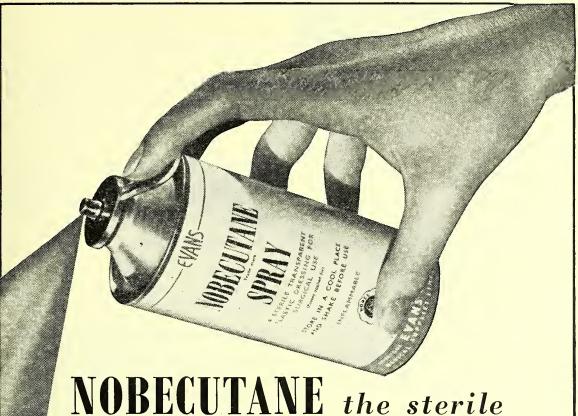
Each Codis tablet contains:—Acid. Acetylsalicyl. B.P. 4 gr., Phenacet. B.P. 4 gr., Codein. Phosph. B.P. 0·125 gr., Calc. Carb. B.P. 1·2 gr., Acid. Cit. B.P. (Exsic.) 0·4 gr.

Codis (Regd.) is not advertised to the public

DISPENSING PACK. (Purchase Tax Free.) 300 tablets in distinctive gold
foils of 6 tablets each, 15/- per box.

PUBLIC SIZE. Pack of 20 tablets (in foil), 2/8 inc. P.T.

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NOBECUTANE has many advantages over conventional dressings. It is non-irritating, transparent, tough, pliable and durable and can be applied over joints where some degree of mobility is required.

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NOBECUTANE is economical in use and results in a saving of at least 20% over the cost of conventional dressings. In addition it is welcomed by nursing staff who find it effects a considerable saving in time.

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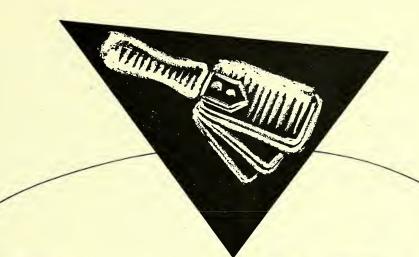
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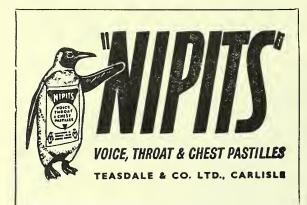
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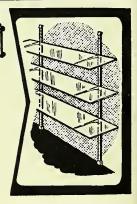
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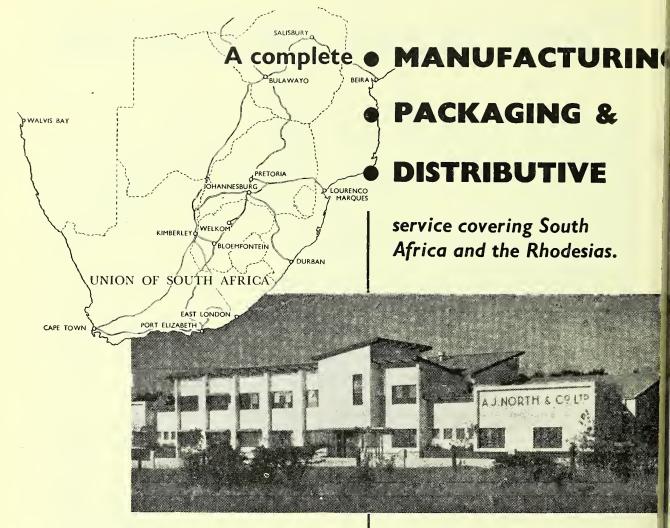
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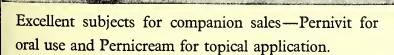
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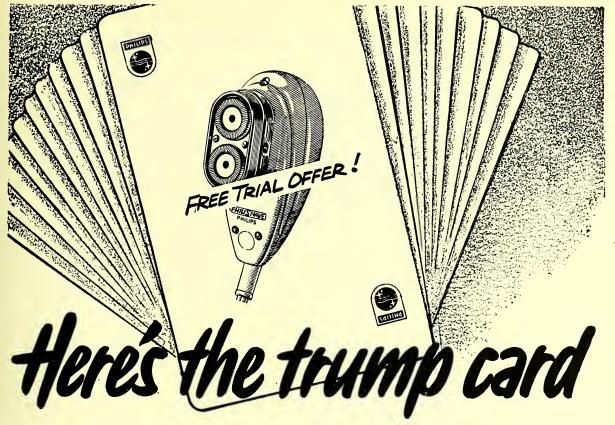
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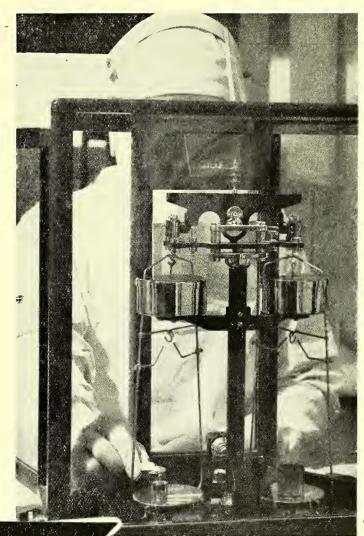
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* PRACTITIONER (1955), 174, 58.



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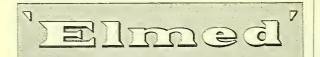
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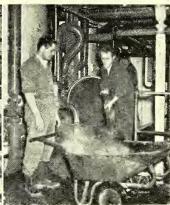
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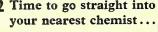
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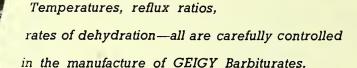
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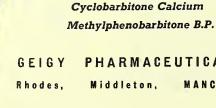
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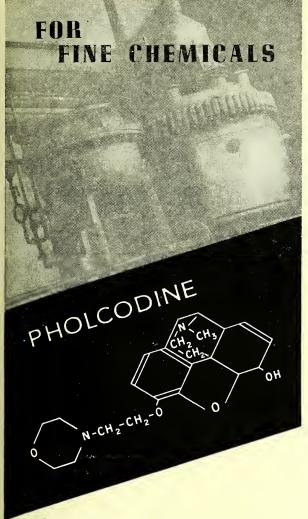
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ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 165

January 21, 1956

No. 3961

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Lancet, 1955, ii, 1183

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Volume 165

JANUARY 21, 1956

No. 3961

Long-service Gifts

SEVEN SHARE 200 YEARS' SERVICE

SEVEN long-service presentations, one for fifty years and six for twenty-five years, were made to employees of Thomas Morson and Son, Ltd., manufacturing chemists, at their Ponder's End, Enfield, factory, recently. Founded over 130 years ago by the greatgrandfather of the present chairman (Mr. L. J. Morson), the company has 160 employees, more than a quarter of them with over twenty years' service. Having started as an office boy at the company's London premises off Gray's Inn Road, Mr. Harold J. Olding completed fifty years' service in August 1955, nearly forty of them as a buyer. Presenting Mr. Olding with a photographic enlarger and a cheque from the company on his retirement, Mr. Morson said he had served the firm well and had earned the high regard of his business associates. Mr. E. Peppiatt (production manager), on behalf of the staff, handed Mr. Olding a screen and auto-slides. Mr. Morson also presented portable wireless sets to six men who had completed twenty-five years' service.

Executive Councils

ASSOCIATION MEETING IN LONDON

IT was reported at a meeting of the Executive Councils Association (England), held in London recently, that the Minister of Health, after further consideration, was still unwilling to supply chemist contractors with copies of *Prescribers' Notes*. He thought that any special points could be brought to the chemists' notice by the Local



ALMOST A JUBILEE: Mr. L. G. Matthews (a director of The Wellcome Foundation, Ltd.) presents to Mr. S. Lewis (manager of Burroughs Wellcome & Co.'s pricing department) a pair of blnoculars and a wristlet watch, gifts from colleagues and friends upon his retirement at the end of December 1955 after over forty-nine years' service with the company.



LONG-SERVICE AWARDS: Mr. L. J. Morson (right), chairman of Thomas Morson & Son, Ltd., congratulates employees on receiving awards for long service with the company. Left to right: Messrs. S. Humphries, H. J. Olding, J. Neill, L. G. Robinson, G. Smith and W. Weatherley, with Mrs. H. F. Keen (Mr. Keen was unable to be present owing to illness).

[Photo by courtesy, Enfield Gazette & Observer

Pharmaceutical Committee and by the Press. It was mentioned that the National Pharmaceutical Union had agreed with the Ministry of Health to draw to the notice of its members the need to remove medical literature from the packing of certain proprietary products before supplying to the public. It was agreed to hold a special meeting of the management committee to consider the Guillebaud Committee Report as soon as possible after its publication.

Publicity Executives

INFORMAL BODY PROPOSED

A PROVISIONAL committee is exploring the possibility of setting up an informal body to enable publicity executives in the pharmaceutical industry to meet periodically to exchange views on matters of common interest. The provisional committee was formed at a luncheon held in London on January 11 of about thirty publicity executives from member-companies of the Association of British Pharmaceutical Industry. A further meeting is being held on March 14 and anyone interested is asked to write to the temporary convener, Mr. W. John Merrick, c/o Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

Technologist in Industry

RELATIVE NUMBERS IN BRITAIN AND RUSSIA

MR. M. W. Perrin (chairman, The Wellcome Foundation, Ltd.) was interviewed in the B.B.C. television programme "Highlight" on January 16. He spoke for five minutes on the shortage of technologists in British industry in relation to the recent announcement about the number of those specialists

in Russia. The technologist, he said, had a job as important and difficult as that of the academic scientist in applying results of research in new processes and must be distinguished from the technician whose specialised training was concerned with the operation of those processes. Mr. Perrin stressed the need for a broad educational background for technologists and said that there were encouraging signs that they were beginning to be given proper responsibility in industry but much remained to be done and the shortage was very serious.

Retailing Conference

EASTBOURNE VENUE

NEW techniques and developments in retailing are being discussed at a conference that is meeting at Eastbourne, March 6-8. Open to all concerned with management in all branches of retailing, the conference is being organised by the British Institute of Management and will have as its theme "Retailing and the Vitality of the National Economy." Also organised by the Institute (in conjunction with the British Productivity Council) is a conference on management accountancy that is meeting at Bournemouth, March 15-17. Advance programmes of the conferences are obtainable from the British Institute of Management, 8 Hill Street, London, W.1.

Statutory Committee

A MEMBER TO APPEAR

THE Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.1, at 2.30 p.m., on February 1 to consider information and evidence from which it appears that a member of the Society

ety has been convicted of offences under the Offences against the Person Act, 1861.

Paris Art Exhibition

CHANCE FOR PHARMACIST ARTISTS

THE twenty-eighth art exhibition for pharmacists, doctors, dentists, and veterinary surgeons is being held at the Musée d'Art Moderne, Paris, March 4-25. The Minister of Public Health is awarding medals for the finest paintings, sculptures, decorative art, photography and applied art. Exhibiphotography and applied art, Exhibitors should send name, address, qualifications, and titles of exhibits to Dr. Malet, 67 Avenue Pierre Larousse, Malakoff (Seine), France, without delay, Exhibits, which should bear the same information, should be despatched to Messrs. Davis Turner & Co., 47 Graham Terrace, London, S.W.1, and not direct to Paris. Intending exhibitors are advised to obtain ing exhibitors are advised to obtain details of transit charges from Messrs. Davis Turner & Co. before dispatching exhibits.

Liverpool Strike

DISPUTE AT ANTIBIOTICS PLANT

A FIVE-DAY strike of 450 process workers at the factory of Distillers Co. (Biochemicals), Ltd., Speke, Liver-pool, which ended on January 16, necessarily curtailed production of antibiotics. The strike began over the suspension of two men who, it was alleged, refused to clean out a boilerhouse. It was stated that only half of the strikers could be taken back immediately, the remainder would be out of work for about a week until produc-tion at the factory could be fully resumed.

1954 Codex

COUNCIL AUTHORISES AMENDMENT

THE Council of the Pharmaceutical Society has authorised the publication of the following amendment to the British Pharmaceutical Codex 1954:
SULPHASOMIDINE: (p. 757, line 3).
For solution of phenolphthalein read

solution of methyl red.

IRISH NEWS

Ulster Chemists

MONTHLY MEETING OF COUNCIL

AT the monthly meeting of the executive committee of the Ulster Chemists' Association held in Belfast on January 3, Mr. W. S. Hall (president) was in the chair. The following were was in the chair. The following were elected to membership:—Messrs, B. J. Deeny, St. Patrick's Avenue, Downpatrick; J. Dougherty (Branch), Ahoghill, co. Antrim; D. McAlinden, 13 Abbey Place, Holywood; C. F. Pritchard, 138 Lisburn Road, Belfast (successor to Mr. W. H. Howe). Several employees whose applications had been approved by the Associates' Committee at a previous meeting were elected to associateship. A report was given of a meeting between a subcommittee and representatives of a manufacturing company about the company's practice of supplying halibut-liver oil capsules

in small packs to industrial firms for sale at low prices to employees. It was agreed that a further strong protest should be made. After discussing the difficulty in which chemists were placed because of the numerous brands of cortisone and hydrocortisone on the market, involving considerable outlay if all demands were to be met, it was thought that representations should be made to doctors to prescribe those preparations under a common title. the motion of the president, a vote of sympathy was passed to the follow-ing, the members remaining standing: - Miss A. E. Strachan (secretary)

on the death of her father; Mrs. W. R. McNabb, on the death of her mother; the widow and daughter of the late Mr. James McKenna, M.P.S.N.I., and Mr. L. Murray, M.P.S.N.I., on the death of his mother.

Also present were Misses C. B. Abernethy, C. Culbert, Messrs, J. C. Acheson, H. S. Anderson, W. H. Boyd, J. A. Brown, J. Caldwell, H. G. Campbell, H. W. Gamble, R. Gibson, T. A. Gibson, W. J. Moffett, M. C. Mooney, R. A. McEwen, J. Paul, C. A. Quinn, C. G. Rattie, P. R. W. Shinner, A. Templeton, and Mrs. E. Coulter (assistant secretary).

Apologies for absence were received from Messrs, W. J. Rankin (treasurer), S. E. Campbell and W. L. McDonnell,

EXAMINATION RESULTS

THE following candidates satisfied the examiners in the Pharmaceutical Chemist Qualifying examination held by the Pharmaceutical Society in England and Wales in December 1955 († = certificate withheld pending evidence of practical training or age):— †Addison, Paul, Durham †Allen, Mary F., Greenford †Allton, Gillian, Derby †Antippa, John D., West Brompton Arthur, Michael B., Notting Hill
Ash, Geoffrey W., Wolverhampton
Bailey, Glenys M., Bristol
Barrett, Frank R., Halifax † Beck, David, Cricklewood †Billington, George D., Coventry Bloor, Philip J., Stoke-on-Trent †Bowen, Janet A., Weston-super-Mare Brien, Ronald T., Ealing Brooks, Gerald, Mexborough †Burley, Eileen, Kettering Burrows, Eve, Birmingham Butler, Kenneth, Tredworth †Caffrey, Gwendoline, Walsall †Castledine, Thomas, Sheffield Chapman, George T., Leicester †Chawla, Avinash R. S., Leicester Clarke, Peter M. W., Hinckley Cockshott, Shirley, Oldham Comber, Malcolm S., Hazel Grove †Coram, Ann J., Harrow Cowan, Michael L., Leeds †Curry, Tom H., Sunderland †Davey, John M., Knutsford Davidson, Joan, Stockport Davies, Ronald J. L., Cardiff Day, Barbara J., Cwmbran †Dee, Geoffrey M., Bramhall Downes, Margaret E., Lancing †Dronfield, Jack, Alfreton †Dyamond, Janet A., Southsea Edwards, Huw R., Mold Emanuel, David, Cricklewood Ferguson, Audrey, Stoneygate Firlei, Zofia B., Ealing †Fleming, Audrey W., Nottingham Forshaw, Phyllis M., Southport †Forster, Anthony M., Solihull Garland, Michael F., Weymouth Gartside, Barbara, Chadderton Gilmour, John B. Upton by Chester Gilmour, Walter N., Bridge of Weir Goodbody, Richard L., Northampton †Gretton, Neil B. C., Brewood Griffiths, Pearl E., Newent †Grigg, Patricia A., Sanderstead †Guiver, Anne, Bromley †Hallworth, Gerald W., Bramhall †Hamilton, Eric, Methyr Tydfil †Harris, Colin, Wilmslow
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†Hodges, Marion, Holborn Holgate, Robert P., Widnes †Holme, Kenneth, Bolton †Hopps, Greta C., Birmingham Howard, Brian G., Harpenden Hunter, Kenneth G., Compton †Hurdle, Sylvia G., Bournemouth Hutchings, Barrie L., Plymouth †Jamieson, Francis R., Norwood Jenkins, Robert D., Aberystwyth †Jones, Audrey M., Euston Jones, Elizabeth G., Ammanford †Jones, Gareth B., Ipswich †Jones, John M. D., Prestwich Jones, Nest L., Corwen Kirk, David F., Walderslade †Knowles, Heather, Cheam †Kozlakowska, Halina, Leeds †Leggatt, Peter E., Camberley Lewis, Cyril G., Hendon McCready, Doreen, Ormskirk McWilliams, Frederick, Aston-on-Trent †Maddock, David H., Bridgend Maret, Jean A. M., Southall †Margerison, Nigel H., Wallasey Margetts, George, Derby †Matchett, Graham L., Burgess Hill Metcalf, Alan D., St. Helens †Miners, Barbara, Helston Minsky, Gloria, Manchester †Morgan, Mair W., Maesteg Morphet, Shirley, Settle Murphy, Maureen F., Eltham †Natoff, Ian L., Leyton †Neate, Stephanie L., Harrow +Needham, Alan, Nottingham †New, Brian, Rugby †Nicholson, Mavis, Wirral †Norris, George W., Southport †Oborski, Eugeniusz, West Brompton †Owen, Ruby A., Oxford †Pacey, Brenda, Doncaster †Parkinson, John M., Chelmsford Parson, June E. M., Plymouth Pate, Francis W., Colne †Pelling, Christopher A., Harold Wood Peters, Raymond C., Exeter
†Pollard, Hannah B., Wanstead
†Pomeroy, Michael J., Gloucester
Price, Joseph, Merthyr Tydfil
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†Seddon, Brenda, Prestwich Seifert, Hubert, Fulham Selby, David B., Nottingham Shacklock, Patricia A., Wolverhampton †Sherwood, Margaret H., Cardiff †Shipstone, Thomas W., Bulwell †Shulman, Harold, Stepney Green †Silver, Brian A., Golders Green †Simpson, Peter F., Loughborough Smith, Gerald, Horwich Smith, John W., Bournemouth †Smith, Stephanie L., Beeston Smylie, David G., Derby †Spencer, John A., Leicester Spibsy, Kathleen M., Bradford Stephens, Malcolm, Oakengates Stone, John F., Braintree Sykes, Margaret M., Windermere Taylor, Benita C., Rogerstone Taylor, Maving W., Choppington Taylor, Michael H., Bournemouth Teather, Frederick W., Chesterfield Tipper, Beryl C., Market Harborough Travers, Donald N., Nottingham †Turner, Kenneth J., Bury Vidal, Mary I., Birmingham Vosper, Hugh. Upper Tooting Way, Janet, Bideford Welchman, Alan J., Swindon Wigmore, John, Lewes Wilher, John B., Leicester †Williams, David C., Wallasey †Williams, Megan F., Pontypridd Wilson, Barbara, West Wimbledon Wilson, Kathleen M., Sale †Wilson, Margaret, Nelson Wish, George D., Sheffield Woodward. John L., Sandbach Worsdall, John, Radcliffe-on-Trent Worthington, Harry E. C., Chester Wright, Phillip J., Torquay †Zaleska, Elisabeth M. A., Wimbledon

NEWS IN BRIEF

Boots Pure Drug Co., Ltd., issued a warning on January 17 that a small number of packages of Besyet cornflour had been contaminated with boric powder. The warning was broadcast after "Woman's Hour" by the B.B.C.

On his way back from Australia in the course of a recent world tour (see C. & D., December 10, 1955, p. 654) Mr. Herbert A. Berens (a director of Biddle, Sawyer & Co., Ltd.) was entertained at a reception in his honour at the Radio Club, Bombay. The dinner, given by the directors of Biddle, Sawyer & Co. (India), Ltd., was attended by representatives of the leading pharmaceutical companies in India and government officials.



Mr. Herbert A. Berens (Biddle Sawyer & Co., Ltd.) photographed with his son Denis and family on arrival at Bombay recently.

TOPICAL REFLECTIONS

By Xrayser

Amphetamines

As forecast some months ago, the drugs known as the amphetamines have been removed from Schedule 7 and placed in S4 of the Poisons Rules. Such a change will prove more irksome to some than to others. Where dispensing is mainly or entirely under the National Health Service, little difference will be felt, but where private prescriptions have been repeated ad lib more difficulty will be experienced. The legislation will have the effect of tidying up a position that has been causing uneasiness, not unmixed with annoyance, to the majority who have always taken their responsibilities seriously, and who have not sold such drugs except on prescription. It seems a pity that legislation should have been found necessary, but it is invariably the action of the few that leads to the incommoding of the many. What few of our less scrupulous colleagues appear to realise is that the refusal of such preparations as the amphetamines, the æstrogenic compounds, and other drugs of like nature, almost invariably results in the prospective purchaser's mentioning by name the shops where no such difficulties are raised. From page 40 I quote, though it is written in a different connection: "Yet there seem to be among them invariably certain individualists who would, given the opportunity, sacrifice their profession for their personal gain." I agree with E. C. Tenner—such people are a menace to the high ethical standards indispensable for giving the public the pharmaceutical service it ought to have.

Our Other Selves

Pharmacists, no less than other mortals, have their recreations. A perusal of your summer issues discloses that golf and bowls have their devotees, and since pharmacy is a cross-section of society, the hobbies of members will range from stamp-collecting to archæology. But periodically pharmacy is permitted to bask in the reflected glory of members who have reached the heights in some other field. Opponents of the England fifteen of about thirty years ago will recall W. W. Wakefield. Today, in other spheres, we pride ourselves on Winifred Atwell and on the pharmacist from Glasgow who scales mountains in the Himalayas. Then there is Ian Craig of New South Wales who, as reported on p. 33, has passed his final examination in pharmacy at Sydney and has also scored 145 runs for his State against Queensland, thus putting himself in the running for another trip to England this summer with the Australian Test team. There must be many more. Memory at the moment can only conjure up one other test cricketer, this time from South Africa, who abandoned his drugs for a tour here some years ago. He rejoiced in the classical name of Xenophon Balaskas, and one was not surprised to learn that he bowled the googly. Ancient Greece and a knowledge of physics would see to that.

Hunter and Heberden

The excellent résumé of aspects of the life of Benjamin Franklin with a pharmaceutical bearing (p. 41) ends with a reference to his consulting two eminent doctors, John Hunter and William Heberden. The latter was held in high esteem as a physician, numbering among his patients both royalty and Dr. Samuel Johnson. His chief contribution to pharmacy (and probably also to mankind) was to discredit the virtues of mirthridaticum or theriac, that polypharmaceutical monstrosity which had held the field for centuries as an antidote to poisons. As late as the eighteenth century the London Pharmacopæia published a theriac formula containing sixty-two ingredients. Life for the druggists must have become more leisurely after Heberden's denunciation! John Hunter, the youngest of a family of eleven, was born at a farm in the west of Scotland, and had the inspiration of an elder brother to help him in his career. All nature was his field, but more particularly the animal kingdom, and lasting fame has been the reward of his experimenting and research. Lasting fame, too, was the lot of some of his pupils—among them Abernethy and Jenner.

SURVEY of the National Health Service drug testing scheme in England and Wales for the year 1952-53 is

given in a recent report by Mr. W. J. W. Price, F.P.S. (pharmaceu-tical section Min-

tical section, Min-istry of Health).

The report shows that 7,273 certificates of analysis were issued in 1952-

system in 1932–53, compared with 7,261 issued in 1951–52. The number of certificates referred to Pharmaceutical Service

Committees in 1952–53 was 639 compared with 583

in 1951–52, an increase of fifty-six.

All the results have been taken from certificates of a n a l y s i s o f preparations and dressings sampled in England and Wales. The main results are for extemporaneously prepared mixtures but some details are given of the dispensing of tablets, powders,

of tablets, powders, ointments and dressings. Examples are given of errors other than numerical. There are fewer of those

than in the previ-

ous survey, published in the C, & D., March 5, 1955, p. 254.
In table I only

those drugs pre-scribed on thirty or more test pre-scriptions during the year are listed. With the introduc-tion of the 1952 National Formu-

lary in June 1952 there were some minor changes in the formula of some mixtures, so

citric acid appears in the table for the

first time, and dilute sulphuric acid is not included. Footnotes

DRUG TESTING UNDER N.H.S. An analysis of samples taken in 1952-53

		Percent	tage dev	iations f	rom the	weigh	ts or ve	olumes of	drugs or	dered of	n test p	rescription	ons		
Quantity	Number				Nu	mber o	f percei	ntage devia	tions wi	thin the	stated	ranges			
Prescribed	of			Not ref	ferred							ferred			
gr. or min.	Prescrip- tions	Up to 1%	1.01 to 2%	2.01 to 5%	5.01 to 10%	Over 10%	Total	5 to 10%	11 to 20%	21 to 30%	31 to 50%	51 to 75%	75%	and over	Total
	bicarbona									,				11	
24 40	132 44	55 15	5 7	21 11	22 1	25 5	128 39	_	1	1 2	=	1 1	2		5
48	39	21	4	13	_	_	38	_	9	_	1	4	1	12	1 21
60 72	190 232	62 91	31 26	50 72	17 15	9	169 216	_	2	3 7	3 5	1		18	16
Ammoniun		71	20		1.5	12									_
120 360	115 76	45 43	17 14	39 13	6 1	1	108 71	4 2	1	_	_1		2	_	7 5
Boric acid	70	43	14	13	1		,,		-						
60	45 44	20 14	3 5	14 16	4	1 1	42 40	1 2	1	1 1	_	1	_	_	3
90 Chloral hy		14	3	10	7	1	40	_	-	-					
120	97	52	22	22	1	_	97	_		_	_	_	_	_	_
Citric acid 144	50	16	11	18	_	_	45	1	2	1	1	_	_	_	5
216	247	108	40	57	17	1	223	2	8	6	1	6	1	α.	24
Glycerin of	t phenoi	24	3	2	4	1	34	_	3	3	1	1	_	-	8
360	37	16	1	8	2	1	28	2	1	2	3	1	_	_	9
Dilute hyd 160	rochloric ac	33	4	23		1	61	_	1	_	14	_	_	-	2
240	230	132	23	45	10	1	211	_	10	2	1	4	1	15	19
Iron and a 720	mmonium	citrate 81	22	22	2	2	129	3	1	2	7	_	_	14	14
Liquefied 1	henol			26		,	0.1	1	- 5	3	1	1	_	_	11
60 120	102 51	51 24	3 8	26 6	8 2	3 1	91 41	3	4	_	3	_	_	_	10
Light mag	nesium cart	onate		_			20		_	ì	_	_	1	_	. 2
120 240	31 85	16 41	6 10	7 22	1	_	29 74	_	3		6	1	î	_	11
Magnesium	sulphate							,	,		1		_	_	3
Potassium	60 bicarbonate	28	14	14	1	_	57	1	1		1				
240	39	13	9	12	_	_	34	_	3	1	1 2	=	_	_	5
360 Potassium	136 bromide	46	27	50	7	. –	130	8	4		2				
160	94	55	16	17	2	_	90	3	11	3	1 1	1	1	_	4 29
240 320	538 32	3 2 0 19	78 2	94 5	17 2	_	509 28	12	3	_	1	_		_	4
Potassium	chlorate								,	1	2	_		_	4
80 120	50 210	28 80	8 38	10 60	13	1	46 192	3	1 5	3	3	3	<u>'</u>	17	18
Potassium												_	_	18	6
720 1080	138 215	47 74	30 37	50 70	4 16	_1	132 197	3		1, 3	1 6	1	_	_	18
Potassium		,												29	4
60 72	90 193	45 106	17 26	22 29	2 4	1	· 86	4	13	2 3	5	1	_	110	27
Sodium bio					•						,	_	<u>. </u>	211	3
30 160	44 145	20 54	5 21	15 61	3	1 1	41 140	_		1	1 2	_	_	_	5
240	720	350	109	174	40	3	676	6	27	4	5	1		112 113	44
320	38	13 20	4 11	15 17	3	_	35 51	1	1 2	_	1	_	_	_	3
360 Sodium ch	54 loride	20			3							1.			.3
60	45 54	17 28	7 6	18 14		_	42 51	_	1 2	1 1	_		_ =	_	3
72 Sodium cit		26	U	1-7										111	7
1080	36	10	6	11	2	_	29	_	2	3	1	_		1	
Sodium sa 160	37	16	6	12	1	_	35	_	1	_	1	_	_	115	2
240	161	80	26	35 26	6 4	_	147 99	4 3	2 2	1		1		115	14
360 Solution o	104 f ferric chle	45 oride	24	20	-									316	16
120	109	49	11	28	6		94	2	6	1	2	_	1	3.10	15
Solution o	f potassium 45	nyaro 23	xiae 3	9	4	1	40	_	2	2	1	_	_	-	5
Strong solu	ution of lea			22	5	1	74	1	4	1	3	_	_	317	12
96 Syrup of c	86 odcine pho	35 sphate	11	22		1			7			•		118	
960	175	124	6	25	14	_	169	1	-	1	1	2	_		6
Zinc sulph	ate 43	17	2	13	7	1	40	_	_	-	1	_	129	120	* 3 4
. 35	65	27	8	24	1	1	61	2	1			1 .		. 16-1	

to the table indi-FOOTNOTES TO TABLE I

¹ Ammonium bicarbonate absent.

² Rather more than double the prescribed amount of ammonium bicarbonate dispensed.

³ Ammonium bicarbonate absent,

A mixture of dilute hydrochloride and nitric

acids dispensed.

5 Dilute hydrochloric acid absent.

Exactly double the prescribed amount of iron and ammonium citrate dispensed.

⁷ Potassium chlorate absent.

⁸ A mixture of potassium and sodium bicarbo

ates and sulphates dispensed,

n both cases double the prescribed amou (continued at foot of p. 57)

cate why certain drugs are included in the column of results headed "100 per cent, and over."

Table II lists the total number of prescriptions for those drugs listed in table I, and the total number of each referred to Pharmaceutical Service Committees.

TABLE II

Drug	Number Prescribed	Number Referred
Ammonium bicarbonate	677	48
Ammonium chloride	230	16
Boric acid	130	14
Chloral hydrate	154	6
Citric acid	343	34
Glycerin of phenol	84	17
Dilute hydrochloric acid	306	22
Iron and ammonium citrate	189	17
Liquefied phenol	236	28
Light magnesium carbonate	132	13
Magnesium sulphate	73	3
Potassium bicarbonate	222	14
Potassium bromide	724	42
Potassium chlorate	292	23
Potassium citrate	419	28
Potassium iodide	414	42
Sodium bicarbonate	1,129	65
Sodium chloride	133	9
Sodium citrate	56	9
Sodium salicylate	366	29
Solution of ferric chloride	169	21
Solution of potassium		
hydroxide	54	5
Strong solution of lead		
subacetate	97	12
Syrup of codeine phosphate	187	6
Zinc sulphate	177	15
Totals	6,993	538

Table III is adapted from two tables in the report which give respectively information about mixtures and linctuses, etc.; and gargles, lotions, ear drops, etc. The total number of mix-tures, etc., dispensed was 4,027 and referred was 366; of gargles, etc., dispensed was 1,074 and referred was 134. According to the report, the majority of deviations arose from the containers' actual volumes deviating from the prescribed quantity, but there were in-stances of the wrong quantities being dispensed. The results were taken from both "referred" and "not referred" certificates of analysis.

Table IV, which deals with oint-ments, lists the percentage deviations from the prescribed quantity. While the number of ointments prescribed during the year (165) is almost the same as for the previous year, the number referred (10) has declined. The reasons why the following ointments were referred are shown in parentheses: Boric acid (boric acid ointment B.P. 1932 dispensed); salicylic acid (salicylic acid content, and weight dispensed were less than prescribed); salicylic acid and sulphur (content of salicylic acid, sulphur, and the wrong base); ammoniated mercury (ammoniated mercury content and weight dispensed); ammoniated mercury and coal tar (ointment of coal

(weight dispensed); zinc oxide and coal tar paste (zinc oxide content, and weight dispensed).

Table V lists the percentage deviations of the dispensed weights from the prescribed weights of powders for internal administration and dusting powders. A greater number of dusting powders (8) were referred during the year 1952-53 than during the previous Only 2 powders for internal

administration were referred. The reasons for referring the following powders are shown in parentheses: - Kaolin compound (deficient in heavy magnesium carbonate, excess sodium bicarbonate); compound magnesium carbonate (amount of powder dispensed less than that prescribed); boric acid and tale (deficient in boric acid (2), defi-cient in tale and contained calcium carbonate (1), zinc, starch, and boric

Percentage deviation from the prescribed volumes of liquid preparations

Prescribed Volume	Up to 1%	1·1 to 2·5%	2.6 to 5.0%	5·1 to 7·5%	7.6 to 10%	10·1 to 20%	Over 20%	Total
⅓ fl. oz.	_		_	_	_	1	_	1
11/2	1	-	_	_	_	_	_	1
2 ,,	54	_	55	_	15	1	2	127
3 ,,	24	_	12	6	1	_	_	43
4 ,,	102	105	62	8	3	_	_	280
6 ,,	53	51	41	3	1	2	5	156
8 ,,	369	765	181	32	6	4	8	1,365
10 ,,	36	13	14	2	_	_	_	65
12 ,,	1,556	936	346	35	3	11	9	2,896
16 ,,	52	73	13	_	_	i —	1	139
20 ,,	16	6	4	_	_	-	2	28
Totals	2,263	1,949	728	86	29	19	27	5,101

TABLE IV (OINTMENTS)

Percentage	deviat	ion from	prescribe	ed weights
------------	--------	----------	-----------	------------

Weight Prescribed in Grains	0 to 2.5%	2.6 to 5%	5·1 to 7·5%	7·6 to 10%	10·1 to 20%	Over 20%	Total
480		_	_	_	1	_	1
875		_	1	_	_	_	1
960	34	21	13	8	35	9	120
1,312.5	2	2	_	_	_	_	4
1,440	_	1	- 1	1	_	_	2
1,750	1	2	_	1	4	1	9
1,920	10	3	3	3	6	1	26
2,880		1		_	_	_	1
3,840	W - /	_	1			_	i
	-						
Totals	47	30	18	13	46	11	165
			1				1

TABLE V (POWDERS FOR INTERNAL ADMINISTRATION)

Percentage deviation from prescribed weights

Weight Prescribed in Grains	0 to 2.5%	2.6 to 5.0%	5·1 to 7·5%	7.5 to 10 %	10·1 to 20%	Over 20%	Total
875	1	_		_	_	_	1
960	57	13	5	4	6	1	86
1,440	1	_		1	_	-	2
1,750	2	_	_	_	_	-	2
1,920	4	2	_	3	_	_	9
2,625	1	_	_	_		_	1
3,840	3	1	_	_	_	_	4
Totals	69	16	5	8	6	1	105

(DUSTING POWDERS)

960	28	2	,	1	1		25
1,312.5	_	_		_	1		1
1,750 1,920	_	_	1	_	_	_	1
1,920	1	1	_		1	_	3
2,880	_	1	_		_	_	1
2,880 5,760	1	_	1		_	_	2
Totals	30	5	4	1	3	_	43

Footnotes to Tab'e 1 (continued from foot of p. 56).

of potassium iodide dispensed.

¹⁰ Potassium iodide ab ent.

¹¹ In one case sodium bicarbonate absent, in the other case double the prescribed amount

tar dispensed); zinc oxide and camphor

dispensed.

12 Sodium b carbonate absent.

¹³ Potassium chlorate dispensed instead of sodium

bicarbonate.

14 Sodium c trate abcent.

15 Double the pre cribed quantity of sodium salicylate dispensed.

16 In one case solution of ferric chloride dispensed instead of the pre-cribed gargle of ferric chlor de, in the other cases considerably more than double the prescribed quantity of ferric chloride solution dispensed.

¹⁷ In all three cases more than doub'e the pre-scr.bed volume of strong solution of lead subacetate dispensed.

18 The linetus contained double the prescribed

volume of syrup of codeine phosphate.

19 Not quite double the prescribed amount of zine sulphate dispen ed

20 Double the prescribed amount of zinc sulphate dispensed.

acid dusting powder dispensed (1)); zinc, starch and boric acid (deficient in tale (1), excess zinc oxide and starch present, deficient in tale and boric acid (1); deficient in boric acid (1), boric acid and tale dusting powder dispensed (1)).

Table VI lists the reasons for refer-

TABLE VI (TABLETS)

Name of tablet		No. of Pre- scriptions	No. Referred	Reason for referring
Aspirin		76	2	Tablets of aspirin compound dispensed; test for salicylic acid unsatisfactory
Aspirin compound		16	1	Australian Formulary tablets* dispensed
Aspirin and phenacetin		10	2	Deficient in aspirin; disintegration test
Ascorbic acid 5 mgm,		1	1	50-mgm, tablets dispensed
Ascorbic acid 50 mgm,		68	1	5-mgm, tablets dispensed
Barbitone sodium		12	1	Disintegration test
Butobarbitone		3	2	Disintegration test
Calcium and sodium lactate		23	3	Disintegration test (2); 5-gr, tablets for $7\frac{1}{2}$ gr.
Codeine compound	•••	106	4	Deficient in codeine (3); deficient in all
Codeine phosphate		6	2	Codeine compound tablets dispensed
Nicotinamide		10	1	Nicotinic acid tablets dispensed
Nicotinic acid		11	1	Disintegration test
Phenobarbitone ½ gr	•••	67	3	Disintegration test (2) Phenobarbitone sodium tablets dispensed
Succinylsulphathiazole		2	2	Too few tablets dispensed

^{*} Australian Formulary tablets contain: 2 gr. aspirin; 2 gr. phenacetin; and 1 gr. caffein.

TABLE VII (SURGICAL DRESSINGS)

Dressing		Number prescribed	Number referred	Reason for referring
Bandages :				
11		3	1	White oren wove dispensed
			î	Crêpe bandage dispensed
rayon elastic		1	_	and the same dispensed
elastic web		4	_	
cotton crêpe		5	3	Crêpe dispensed
crêpe		171	2	Cotton crêpe dispensed
domette		2	_	
elastic adhesive		105	1	Elastic adhesive plaster dispensed
flannel		3	_	address to plaster dispersed
muslin		1	1	White open wove dispensed
plaster of paris		2	1	Plain weave not leno weave, and count of warp
triangular		12	1	Count of warp and weft
white open wove		74	5	Weight per sq. foot, count
zinc paste		9	_	The same of the sa
Cellulose tissue	• • • • • • • • • • • • • • • • • • • •	8	3	Cellulose wadding dispensed (2); not B.P.C. area
Cellulose wadding		30	-	
Cotton wool, B.P.C.		236	41	Hospital quality dispensed (4); not B.P.C. absorbency, colour neppiness
Cotton wool, hospital . Dressings:	•••	10	_	A TOTAL STATE OF THE STATE OF T
		1	_	1
		14	1	Cotton wool not B.P.C. absorbency
standard		59	6	Not B.P.C.
Gauzes:				
absorbent		107	_	
boric acid		2	1	Beric acid content excessive
mercury and cyanide .		1	_	
		6	_	
Gauzes and cotton tissue.		15	8	Not B.P.C. absorbency, colour
Lint:				
		154	9	Not B.P.C. area, absorbency
		124	5	Not B.P.C. content of boric acid
Plasters:			(
	•••	19	-	
		1	_	
		7	3	Oiled silk, and rubber sheeting dispensed
Oiled silk	•••	11	-	
Totals		1,202	93	·

TABLE VIII (1951-52 AND 1952-53 COMPARED)

		Total Number	of Cert ficates	Total Number Referred			
		1951–52	1952-53	1951-52	1952-53		
Mixtures	 	 4,105	4,027	332	366		
Gargles	 	 996	1,074	124	134		
Ointments	 	 160	165	19	10		
Powders	 	 133	148	6	10		
Tablets	 	 . 673	657	42	26		
Dressings	 	 1,194	1,202	60	93		
Totals	 	 7,261	7,273	583	639		

ring twenty-six certificates of analysis for tablets to Service Committees. The total number dispensed was 657.

During the year under review there were 1,202 certificates of analysis for dressings, of which 93 were referred to Pharmaceutical Service Committees, which means that considerably more were referred than during the previous year. The increase in the number of certificates referred was in cotton wool and gauze and cotton tissue; some of those may be attributed to the hospital quality dressing being dispensed in error, but many were referred because the dressing failed to meet the B.P.C. standard either because of the length of time they had been in stock, or because of unsuitable storage conditions. Table VII gives details of the dressings prescribed and the reasons for referring.

Table VIII compares the results of the drug testing scheme for 1951-52 with those given in the present survey.

COMPANY NEWS

Previous year's figures in parentheses

GOYA, LTD — Mr. Leigh Walker has been appointed managing director.

GENATOSAN, LTD.—Mr. Charles Fox Stenson, for some time general manager (technical) and a director of Fisons Milk Products, Ltd., Coleraine, co. Londonderry, Northern Ireland, has been appointed to the board of directors of the parent company, Genatosan, Ltd., Loughborough, Leics.

ARTHUR BERTON, LTD. — A final dividend of $8\frac{1}{2}$ per cent. on £325,000 Ordinary capital for 1955 is announced. A similar interim was paid on £300,000, prior to capitalisation of £25,000 in a onc-for-twclve scrip issue. (For 1954 shareholders received 15 per cent. in two equal payments. The $7\frac{1}{2}$ per cent. interim was paid on £250,000 and the final on £275,000.) The directors now propose capitalisation of a further £25,000 by way of a one-for-thirteen free issue. Trading profit is £212,248 (£220,034) to wh ch is added interest, ctc., of £2,942 (£1,567). The net profit is £75,460 (£69,028), after depreciation of £31,330 (£44,272), and tax of £85,300 (£90,000), etc.

GREEF-CHEMICALS HOLDINGS, LTD.—The directors propose to issue 400,000 shares of 5s. each at the price of 10s. per share and to offer the shares in the first place to Ordinary stockholders in the proportion of one new share for every four units held. The same stockholders may also apply for excess shares. The proceeds of the issue will finance the continuing expansion of the business of its wholly owned subsidiary, R. W. Greeff & Co., Ltd., including the increase in its investments in companies associated with it. Treasury permission has been given and that of the s'ockholders is being sought at a meeting on January 27. The directors hope to recommend the payment of a final dividend on the Or linary capital as increased by the issue of not less than 10 per cent. for the year ended December 31, 1955, which, with the interim dividend of 5 per cent. will be equivalent to 17½ per cent, on the issued Ordinary capital prior to the increase.

LEGAL REPORTS

Strychnine to Racehorses

At the Central Criminal Court, London, on January 11, Leslie Harry White, bloodstock dealer, was sentenced to six years' imprisonment. After a second trial (the first had collapsed on account of a disagreement among the jury) White was found guilty on six counts including maliciously killing on the high seas with strychnine two stallions and uttering two forged permits to purchase strychnine.

Pharmacy Act Fine

AT Derby magistrates' court, recently, Sydney Herbert Kirby, 736 Osmaston Road, was convicted and discharged on payment of 4s. costs on a charge of selling a poison (Codis tablets) in a container not labelled with his name and address; and fined £2, and ordered to pay £2 2s. advocate's fee, on a charge of selling it without being authorised to do so. The prosecution was brought by the Pharmaceutical Society. Solicitor for Mr. Kirby said that his client had only recently acquired the premises (a "post office cum shop") and was not aware that he was committing an offence.

BUSINESS CHANGES

BRITISH HYDROCARBON CHEMICALS, LTD., is the new title of British Petroleum Chemicals, Ltd.

MR. J. JONES, M.P.S., has acquired the business of Lewis & Harris, 288 Upper Street, London, N.1.

MR. JOHN A. TIERNEY, L.P.S.I., has acquired the pharmacy formerly carried on by Miss M. Costello, Rathdrum, co. Wicklow, Eire.

ARMSTRONGS OF CAMBRIDGE are now trading from their new warehouse at Coldham's Lane, Newmarket Road, Cambridge (telephone: Cambridge 55255).

THE firm of R. G. NORTON, exporters, now incorporated as R. G. Norton, Ltd., have removed to 3A Chichester Chambers, Chichester Rents, Chancery Lane, London, W.C.2 (telephone: Holborn 5111).

BOOTS, LTD. have acquired the pharmacy of Mr. J. S. Davies, 24 The Broadway, Elm Park, Hornchurch, Essex. — To allow rebuilding, the Queens Road, Clifton, Bristol, branch of the company has been transferred temporarily to 61 Queens Road (from No. 11).

DEATHS

BARNES — On January 8, Mr. William Barnes, 3 Stratford Street, Iffley Road, Oxford, formerly c/o C. Clayton (Oxford), Ltd., 160 Cowley Road, Oxford, aged sixty-seven. Mr. Barnes qual fied as a chemist and druggist in 1910.

DONALD. — At Springbank House, Campbeltown, Argyll, on January 13, Mr. Joseph Donald, M.P.S., aged eighty-two.

FELIX. — Suddenly in London. on January 14, Dr. Arthur Felix, F.R.S., aged sixty-eight. Dr. Felix was a distinguished bacteriologist. He joined

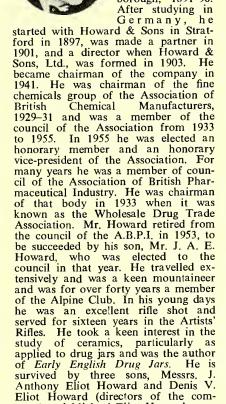
the staff of the Lister Institute in 1927 and eventually became a permanent member. During the 1939-45 war he served as a specialist with the Emergency Public Health Laboratory Service of the Medical Research Council. He was elected F.R.S. in 1943.

HANLEY.—At St. Lawrence's Hospital, Dublin, on December 23, 1955, Miss Kathrina Marie Hanley, aged ten. Miss Hanley was a daughter of Mr. W. Hanley, M.P.S.I., 108 O'Connell Street, Limerick.

HARVEY.—At 251 Burton Road, Stretford, nr. Manchester, on January 4, Mrs. Irene Annie Harvey (née Jessop), M.P.S. Mrs. Harvey qualified in 1927. She was the wife of Mr. H. Harvey, M.P.S.

HOWARD. — On January 17, Mr. Geoffrey Eliot Howard, aged seventy-

eight. Mr. Howard was chairman of Howards of Ilford, Ltd. He was born at Walthamstow, younger son of Eliot Howard, and educated at Marlborough, 1891–96. After studying in



pany) and Michael Eliot Howard.

A memorial service was arranged to be held at Holy Trinity Church, Bromp'on Road, London, S.W.1, at 4.30 p.m. on January 20.

Mr. Leslie G. Matthews writes: Geoffrey Howard's sudden passing comes as a severe shock to those of us who were in council with him at the Association of British Chemical Manufacturers as recently as last week. There, as so frequently, his sage advice, which his fellow council-members long ago learned to value, was enlivened by his ingenuous wit. His facility in imparting accu-

rate knowledge in many fields became apparent when he saw that one was interested. We were fellow members of the English Ceramic Circle for some years, and although his special field was delft ware, he made many a shrewd observation on the principal porcelain wares of this country. The Howard collection of drug jars is world famous. His own work Early English Drug Jars, 1931, was dedicated to his wife, who has shared his love of fine pictures, of which he had a choice collection, and his many wide interests. To know Geoffrey was to come to like him immensely. During a visit to the Travellers' Club he once remarked to me "My qualification for this club was that I was the only person to have come down Mt. Sinai since Moses." The Alpine Club really held his life-long affection, and he rejoiced in any new recorded endea-vour as a mark of renewed vitality. Others will have fuller knowledge of his activities in the Drug Club, in the formation of the Wholesale Drug Trade Association (now the A.B.P.I.) and the many business associations that arose out of the specialised chemicals handled by his family firm. To The Times crossword puzzle, Geoffrey was a devotee: his intentness on that at a meeting might disconcert a chairman occasionally, but an important point did not escape him. As a letter writer, he eschewed the commonplace in business phraseology. He liked the direct form, and his correspondents liked him the better for it. He brought a breath of the world of culture and letters into his business associations, and we shall hold his memory in great affection.

Mr. C. Mervyn Hill (president of the Association of British Pharmaceutical Industry) writes:—Geoffrey Howard will be remembered with affection and admiration by a great many in the pharmaceutical industry and trade. He gave unstintingly of his personal time to serve the A.B.P.I., and his attendance at a meeting usually meant that he would contribute to matters under discussion. When he was on his feet he had the attention of the entire meeting, for an observation by Geoffrey Howard had two distinct values: his opinion, backed by experience and shrewd common-sense, was always important to any debate; and it would be accompanied by some witticism that would add sparkle and pleasure to the discussion. Never was this gift-for indeed it was a gift-of self-expression directed at anyone personally with intent to score a wounding thrust; on the contrary young and shy people felt instantly at home with him and flattered when they found he showed interest in them. His habit of placing a copy of The Times firmly on top of his papers at council meetings with the intention of giving the impression that he was about to start the crossword puzzle misled none except possibly newcomers. He could adequately tackle agenda and crossword puzzle at the same time if he wished to do so. In fact, his most apt comments were usually made following one of those moments when his attention appeared to have been elsewhere.

Most of us were aware that he had interested himself in early drug jars, on which he was a recognised authority.

Not so many knew that, as a younger man, he had been a keen mountaineer -in fact a member of the Alpine Club for forty years. It surprised no one to be told that one of his particular interests was collecting modern paintings. For while we thought of him as chairman of Howards of Ilford, Ltd., one of the most distinguished companies in the pharmaceutical industry, he was not a man to talk "shop" when busi-ness had been settled, and the conversation would be likely then to drift towards the arts. On such topics as painting and the stage he showed a wide appreciation of the works of his contemporaries, as well as of the art of past centuries. His taste was catholic and embraced, without any change of critical standard, English delft ware of the eighteenth century and Matthew Smith's paintings of the twentieth.

It must be put on record that the A.B.P.I. is grateful for the loyal service which Geoffrey Howard rendered to it and to its predecessors, beginning with the Drug Club, of which he was one of the younger members, and continuing through the twenty-three years during which he acted as a member of Council. In 1933 he was chosen to be chairman of the Association. Afterwards he continued to offer himself from time to time for election to council and never failed to be returned on any occasion, though by 1953 he relinquished that particular duty.

LANGHAM.—Recently, Mr. Ernest Langham, 4 Springfield Gardens, Shrewsbury, Salop, aged eighty-six. Mr. Langham qualified as a chemist and druggist in 1920. He had lived at Shrewsbury for sixty-five years and was for more than fifty years a pharmacist at the Royal Salop Infirmary. He is survived by his widow, a daughter and a grandson.

PETERS.—At his home, 160 West Park Drive (West), Leeds, 8, suddenly, on January 12, Mr. Arthur Lucas Peters, M.P.S. Mr. Peters retired from business about five years ago but subsequently engaged in locum work to help his colleagues in Leeds. He was a past-chairman of the Leeds Branch of the National Pharmaceutical Union and a past-chairman of the Leeds Branch of the Pharmaceutical Society. He was also a past-member of Leeds Pharmaceutical Committee. He was a member of the Defence Lodge. He is survived by his widow and a son.

McKenna.—At his home, 56 Fruithill Park, Belfast, on December 19, 1955, James McKenna, M.P.S.N.I. Mr. McKenna registered as a druggist in Dublin in 1923, and qualified as a pharmaceutical chemist in Northern Ireland in 1926. He served his apprenticeship with the late Mr. J. H. Gowans, Belfast, and subsequently went into business on his own account. Prior to his death he carried on a pharmacy at 122 Falls Road, Belfast.

ROBERTS. — Recently, Mr. Evan Goronwy Roberts, M.P.S., 79 High Street, Broselcy, Salop, aged fifty-eight. After qualifying in Liverpool in 1924 Mr. Roberts took up his first appointment in Preston and was later manager at shops in Malvern, Birmingham, Sheffield and Wallasey, before settling down in Wellington, Salop, where he became a director of Bates & Hunt (Chemists), Ltd., when that company was incorporated. He bought his own business at Broseley in 1951. While at Wellington he founded the Wellington Canine Society and on leaving that district was made president.

TAYLOR. — Recently, Mr. William Harry Taylor, M.P.S., 41 The Tything, Worcester, aged seventy-five. Mr. Taylor was one of the oldest practising chemists in the city, having settled in Worcester in 1922.

TEBB. — On July 11, 1955, Mr. Harry Tebb, M.P.S., 46 Beaumont Street, Hull. Mr. Tebb qualified in 1902.

PERSONALITIES

MR. JOHN C. LEE, M.P.S., George Street, Barton-on-Humber, Lincs, completed, on January 14, sixty years in business at that address. Mr. Lee qualified in 1894.

MR. HERMAN HIRST (buying manager, chemical section of central purchasing department, Imperial Chemical Industries, Ltd.), retired on December 31, 1955, after forty years' service. His career with the company and its predecessors began at Huddersfield in 1916 when he joined what is now I.C.I. Dyestuffs Division.

MR. RALPH H. ATKINSON, a native of England, has retired as head of the platinum metals section of the International Nickel Company's Research Laboratory at Bayonne, New Jersey, after more than thirty years' service with The Mond Nickel Co., Ltd., in the United Kingdom and its Inco affiliates in the United States and Canada.

MR. A. G. BRADBURN, M.P.S., Southsea, was appointed a justice of the peace on January 11. He is a native of Portsmouth and was educated at the London Orphan School, now Reed's School, Watford. After service in the 1914–18 war he became an exservice student and qualified in 1924. Returning to Portsmouth, he took over the business of the late Mr. H. J. Chase in Albert Road. He has served as chairman of Portsmouth Branch of the Pharmaceutical Society and as president and secretary of Portsmouth Chemists' Association.

MR. NORMAN DEWEY, M.P.S., who has been elected president of the

Propriedary Articles
Trade Association (p. 62) has
represented Allen &
Hanburys, Ltd.,
on the P.A.T.A.
council since
1947, and has
held office as a
vice - president
and chairman
of the manufacturers' section for the past

three years. Mr. Dewey has taken a notable part in the activities of pharmaceutical and drug

trade organisations. He has been president of the Chemists Federation and chairman of its propaganda committee and a member of council of the Association of British Pharmaceutical Industry.

MR. J. C. BLOOMFIELD, M.P.S., Portsmouth, whose appointment as a



justice of the peace was announced on January 11, is a member of Council of the Pharma-ceutical Society. He is at present chairman of Portsmouth Branch of the Pharma-ceutical Society and secretary of Portsmouth

Pharmaceutical Committee. For five years he has been secretary of Portsmouth Branch of the National Pharmaceutical Union, and was formerly secretary of Portsmouth Chemists' Association. He purchased the business of the late Mr. Edward Davies-Lewis in Fratton Road, Portsmouth, in 1940. He is a parochial church councillor for St. Mary's.

MR. LEIGH WALKER who has been appointed managing director of



Goya, Ltd. (see p. 58) joined the company as a representative in 1947. In 1949 he was made sales manager and subsequently, in 1951, sales director. Mr. Walker is also a director of J. C. & J. Field, Ltd.

OVERSEAS VISITS

MR. F. C. MANN, of the Export Credits Guarantee Department, has left for New Delhi to advise the Indian Ministry of Commerce and Industry on the establishment of a credit insurance scheme for Indian exporters. Mr. Mann will be absent some three to four months. He is manager of E.C.G.D.'s Birmingham office, and during his absence Mr. J. A. Dyer will act at manager.

MR. E. L. HARRISON (sales director, Quickfit & Quartz, Ltd.), has visited the Indian Industries' Exhibition in Delhi and the Indian Science Congress in Agra. Before he arrive home at the end of February, Mr Harrison will also visit Bombay, Calcutta, Madras, Bangalore and Poon and will then tour Cyprus, Israel Egypt, Switzerland and the Nether lands.

MR. J. H. WALTER (general sale manager of the spring balance divisio of Geo. Salter & Co., Ltd.), has left England for a two-months export survey tour of West African territory during which he will visit Kano, Lagos Accra and Freetown.

NEW PRODUCTS AND PACKS

New Lipstick Shade. — A lipstick in a "warm shade of dusky red," Matador, has been introduced by Coty (England), Ltd., 3 Stratford Place, London, W.1.

Infra-red Prescription Lamp.—Ergon Electrical Manufacturing Co., Ltd., Vencourt Place, King Street, London, W.6, have introduced a new infra-red prescription-model lamp, the Ergon Junior, which has a 450-watt combined infra-red and radiant-heat element and 10-in-diameter aluminium reflector.

New Ethical Specialities. — Boots Pure Drug Co., Ltd., Station Street, Nottingham, have added to their list neomycin ointment in 30-gm. tube, neomycin eye ointment in 4-gm. tube, and Eptoin brand phenytoin sodium tablets gr. \(\frac{3}{4}\) in bottles of 100 and 1,000.

Food-hygiene First Aid. — To meet the requirements of the Food Hygiene Regulations, which came into effect January 1, and under which any trade or business for the purposes of which any person engages in the handling of food must (with certain exceptions) provide first-aid materials, Cuxson, Gerrard & Co., Ltd., Fountain Lane, Oldbury, Birmingham, have introduced two new outfits: No. A178 (in enamelled tin); and No. A179 (in wooden case).

Benztropine Methanesulphonate. — The new anti-Parkinsonism drug benztropine methanesulphonate, to which reference was made in a review of the United States Dispensatory (C. & D., January 14, p. 42) is available in this country, though supplies are not being generally released until the trade name is finalised. The product is known in the United States as Cogentin (not as previously spelt). The source is Merck-Sharp & Dohme, Ltd., Hoddesdon, Herts.

Ribbon-twist Lipstick. — The latest lipstick of J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.I, is the Ribbon-twist 13-mm., "flashing red on gilt." The lipstick had been used by both the Everest and the Kanchenjunga expeditions because of its protective and sun-filter properties. The lipstick is claimed to stay on for hours (and without dyeing or drying the lips). It is available in seven shades: Pink Jig, First Blush, Mayfair Pink, Wild Peony, Gay Coral, Mad Red, and Heartspin.

Bismuth Aluminate. — C. J. Hewlett & Son, Ltd., King George's Avenue, Watford, Herts, have been appointed sole distributors of a new compound, bismuth aluminate, introduced by Mining and Chemical Products, Ltd., 86 Strand, London, W.C.2. Bismuth aluminate combines the protective and sedative properties of older bismuth compounds with a greater degree of antacid action. In peptic ulcer it protects the ulcer crater and corrects abnormal peristalsis, inactivates pepsin and brings gastric pH within the normal range.

"High-fidelity" Cosmetics. — Under the title Hi-Fi, Max Factor Hollywood & London (Sales), Ltd., 16 Old Bond Street, London, W.1, have put on the market a new "high-fidelity" liquid make-up. When colour television reached the experimental stage, the transmitting companies found themselves faced with an unexpected problem. In colour T.V. the image is reproduced electronically, not by means of film. A sharper and more direct projection of colour results. Existing make-ups appeared harsh, unnatural and unflattering. The new Max Factor product is claimed to look completely

TRADE NOTES

Where to Obtain It. — The address of Falconer's golden compound is now c/o Thomas Marns, Ltd., Green Lane, Hounslow, Middlesex (telephone: Hounslow 5122), from whom supplies may be obtained.

Tax Loss Shouldered.—Any loss due to reduction in purchase tax rates on products of Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, 7, bought between January 1 and Budget date and still unsold then is being borne by the company.

Now Tax-free.—H.D.G. (Pharmaceuticals), Ltd., Hungar House, Great George Street, Leeds, 1, announce that their Twinkle Glints as now presented are, under a decision recently announced by the Customs and Excise authorities, not subject to purchase tax.

Australian-distilled Eucalyptus Oils.

— United Kingdom wholesale agents for Burnside's eucalyptus oils, distilled in Australia from eucalyptus leaves in accordance with the pharmacopæial specification, are Wilson & Mansfield, Ltd., 15 Philpot Lane, London, E.C.3.

Dextromethorphan Syrup. — The packs in which Romilar (dextromethorphan) cough syrup (see C. & D., November 19, 1955), has been made generally available are bottles containing 100 and 500 c.c. The manufacturers are Roche Products, Ltd., Welwyn Garden City, Herts,

Trial Offer Scheme.—To enable retailers to let their customers try out the Philishave electric dry shaver at home for a week or a fortnight, Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2, operate a free trial scheme and provide the show material, agreement forms, mailing "shots," etc., for giving it effect.

Organic Boron Compounds.—Borax Consolidated, Ltd., and A. Boake, Roberts & Co., Ltd., announce their association with one another in the production and marketing of organic boron compounds. Inquiries for samples and prices should be addressed to Borax Consolidated, Ltd., Borax House, Carlisle Place, London, S.W.1 (telephone: Victoria 9070).

Now in Fourth Schedule. — Menley & James, Ltd., Coldharbour Lane, London, S.E.5, remind pharmacists that the following specialities, all of which contain amphetamine, are now in the Fourth Schedule to the Poisons Rules and may be supplied only on presentation of a doctor's prescription: Benzedrine tablets; Dexedrine tablets; Dexedrine tablets; Dexedrine capsules; and

light. Work done on the scale of reds in order to produce rouges that would look soft and natural has been translated into a second new product: fluid rouge with high-fidelity colours. The rouge contains a softening ingredient which leaves the skin soft and dewy but never greasy. The same ingredient makes Hi-Fi easy and quick to blend, and prevents the clogging and "building-up" of colour. Hi-Fi fluid makeup and fluid rouge are to be on sale from the beginning of February.

natural before the camera eye in any

Edrisal tablets, Benzedrine inhalers are unaffected.

Exempt from Schedule 4.—Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester, state that sulphamezathine-sodium solution, 16 per cent., as a product for the treatment of coccidiosis in poultry, is exempted from Schedule 4 of the Poisons Rules as from January 20. It is therefore no longer necessary for the small poultry-keeper to obtain a veterinary surgeon's prescription. Provided he is known to the pharmacist he can obtain the solution merely as a Schedule I poison.

British-made Quinine. — Carnegies of Welwyn, Ltd., Wclwyn Garden City, Herts, have doubled the sale of quinine and its salts since they installed in 1955 a modern plant capable of producing 1\frac{1}{2}\$ million oz. annually. They hope within the next twelve months to be selling to full capacity. Messrs. Carnegies recall that, prior to 1940, they made quinine conversions from crude quinine sulphate imported on behalf of a Commonwealth government. In 1940, at the request of the Ministry of Supply, they erected a quinine plant in the record time of nine months. Since then they have enlarged the plant several times.

Distribution in South Africa.—A complete service in South Africa and the Rhodesias covering the manufacture, packaging and distribution of proprietary products for British companies is offered by A. J. North & Co., Ltd., P.O. Box, 716, Cape Town, South Africa. The company has been established for half a century and has branches and depôts in Johannesburg, Durban, Port Elizabeth, East London, Bloemfontein and Bulawayo. A director of the company (Mr. Robert E. Marsh) is at present in Britain. He may be contacted through the Standard Bank of South Africa, Ltd., 9 Northumberland Avenue, London, W.C.2.

Dealer Incentive Schemes. — In addition to special bonuses until April 30 (see p. 62), Ronson Products, Ltd., Strand, London, W.C.2, announce a series of dealer incentives. Three months' credit is being allowed for immediate orders. Goods are being invoiced during the special offer period but payment may be deferred until May 1. If any purchase-tax reductions affecting the shaver are made in the April Budget they will be credited on the final statement on May 1. The scheme is being supported by a large display and advertising programme (close on fifty million advertisements in

less than three months). There are also improved deferred terms to retail customers buying the shaver, and a scheme is being operated under which the customer may now take the shaver direct from the shop under a much simpler agreement and smaller deposit (25s. instead of 30s.). The retailer thus hands over the shaver and keeps his stock moving. Having retained the 25s. deposit, he has the choice whether to take a replacement shaver free and a credit for the balance of his profit on a normal sale or a credit for the full selling price.

Bonus Offers

ESSO PETROLEUM Co., LTD., specialty department, 123 Albert Street, London, N.W.1. Flit aerosol insect spray. 2½ per cent. on two doz. 5-oz. or one doz. 5-oz. plus ½ doz. 12-oz.; 5 per cent. on four doz. 5-oz.; two doz. 5-oz. plus one doz. 12-oz.; three doz. 5-oz. plus ½ doz. 12-oz.; or one doz. 5-oz. plus ½ doz. 12-oz.; or one doz. 5-oz. plus 1½ doz. 12-oz. Until April 30.

ROBINSON & SONS, LTD., Wheatbridge Mills, Chesterfield. 5 per cent. extra on special introductory parcel containing three jars baby cream; three bottles baby lotion; six tins baby powder; and six tablets baby soap.

RONSON PRODUCTS, LTD., Strand, London, W.C.2. Ronson electric shaver. One shaver free with every twelve; 7s. 6d. discount each on six; 5s. each on three shavers bought between February 1 and April 30.

WHITE LABORATORIES. LTD., 428 Southcroft Road, 'London, S.W.16. Feen-a-mint, Thirtieth anniversary offer. Fourteen to doz, on parcels containing (a) two doz, small size; (b) one doz, small and half-doz, large; or (c) one doz, large, [Corrected note.]

PROPRIETARY ARTICLES TRADE ASSOCIATION

Quarterly meeting of Council

THE quarterly meeting of the council of the Proprietary Articles Trade Association was held on January 12, the president (Mr. D. A. Rees, F.P.S.) in the chair. Mr. Rees referred to the death of a former member of council, Mr. W. W. Knott, who for many years had represented Parke, Davis & Co., Ltd., on the manufacturers' section Ltd., on the manufacturers' section and had served on the executive committee. The resignation of Colonel S. Watson (Jas. Woolley Sons & Co., Watson (Jas. Woolley Ltd.) as member of council was received with the utmost regret. president said it was a cause of sadness and regret to his colleagues that Colonel Watson should have reached that decision. He had been a member of council since 1922, and of the executive since 1924. He was president in 1930 and 1942 and, at the time of his resignation, was "father of the council." He moved that Colonel Watson should be elected forthwith an honorary member of council. On behalf of their respective sections the motion was supported by Messrs. L. D. Smith, H. G. Middleton and J. E. Goodall. It was carried unanimously. Mr. Peter Elliman (Elliman, Sons & Co., Ltd.), recently elected to the manuturers' section, and Mr. W. A. Allen, who succeeded Colonel Watson, were welcomed by the president.

Bill to be Introduced

It was noted that the proposed restrictive practices Bill would be introduced as soon as possible after Parliament reassembled. The Association's suggestions regarding certain provisions of the Bill had been made known to the President of the Board of Trade by the secretary, and had also been embodied in the statement, endorsed by the council, submitted to him by the Fair Prices Defence committee. The president said that, for the time being, nothing more could be done; they must await the terms of the proposed legislation, examine them and then take such steps as seemed advisable. The council discussed the position arising from the increase in purchase-tax rates announced by the Chancellor of the Exchequer in his Autumn Budget. Those changes, coming at a most inconvenient time, had caused a great deal of irritation and confusion to all sections of the trade. The P.A.T.A. Protected List and Supplement had been rendered out of date and useless for accurate reference. The

council approved the production of a special supplement to the Protected List setting out the present tax-inclusive retail prices of all P.A.T.A. articles affected by the increased rates. The list would not be generally circulated, but would be available to the Association's members on request. The council approved the executive committee's recommendation that arrangements be made to publish the next edition of the Association's Year Book and Protected List as soon as practicable after the next Budget. It was reported by the secretary that agreement regarding the renewal of the tenancy of 43 Gordon Square from June 1956 had been reached by the P.A.T.A. Trust Co., Ltd., with the University of London.

The Manufacturers' Section having the privilege of nominating the President of the Association for 1956, MR. H. G. MIDDLETON, on behalf of his section, proposed Mr. Norman Dewey for the office. He had been their chairman for the past three years and they appreciated the efficiency with which he had discharged his duties. The motion, seconded by MR. L. D. SMITH, and supported by MR. J. E. GOODALL, was carried unanimously. MR. DEWEY then took the chair. He thanked the council for the confidence they had shown in him, and, though he appreciated that a difficult year might lie before him, he was sure, with the support and experience of his col-

leagues, those difficulties would be resolved. Mr. Dewey then paid tribute and moved a vote of thanks to Mr. Rees for his services during the year. MESSRS. H. G. T. READ and T. MARNS endorsed the president's tribute. Responding, MR. REES said that his year of office had been busy, particularly in connection with the Monopolies Report, and a pleasant interlude had been the visit in the summer of Dr. John W. Dargavel, with whom many of them had formed a firm friendship and a valuable contact with the retail drug organisation of the United States. The following officers were also elected:—Vice-presidents, Messrs. N. C. Jeffery (manufacturers), L. D. Smith (wholesale), and H. G. Moss (retail); Treasurer, Mr. R. G. Dyas; Executive Committee, Messrs. W. B. Alexander, H. G. Middleton, A. E. V. Houchen, G. M. Roberts (manufacturers); J. Armistead, J. W. Boucher, N. E. Forster, H. G. T. Read (wholesale); J. E. Goodall, C. H. Foster, J. F. Watts, F. G. Wells (retail), with (ex-officio) president, immediate past-president, vice-presidents and treasurer.

In his report the secretary stated that certain well known price cutters in the London area had extended their activities but that, in general, there had been no noticeable increase of cutting during the quarter. Since the previous meeting 562 calls and 640 test purchases had been made by the Association's outside staff.

FESTIVE OCCASIONS

MANCHESTER

President on Home Ground

GUEST at the annual dinner and president's evening of the Manchester Pharmaceutical Association and Branch of the Pharmaceutical Society, MR. H. STEINMAN (President of the Society) admitted that the function he looked forward to more than any other was that at which he was among those who had helped him attain his present position. The dinner was held on January 11. MR. J. TOMLINSON (president of the Association) proposed the toast to the Queen, and MR. J. R. WALMSLEY (Branch chairman) proposed the toast of "the President of the Association." "The Phairmaceutical Society" was proposed by MR. W. WILKINSON (senior vice-president of the Association) and MR. STEINMAN responded.

Also among the principal guests was MR. A. M. MEES (president, Guild of Public Pharmacists). A cheque for £70 for the Society's Benevolent Fund was presented during the evening by Mr. R. G. Parry on behalf of the junior Branch.

EAST METROPOLITAN

Sixth Annual Dinner

THE sixth annual dinner and dance of the East Metropolitan Branch of the Pharmaceutical Society was held a Ilford recently. The loyal toast and that to the Pharmaceutical Society were proposed by Mr. B. L. Beard (Branch chairman), who presided. The health of the Branch was proposed by Mr. D. W. Hudson (a member of the Society's Council), who was guest of honour. He briefly commended the Branch on its history.





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What the Drug Tests Showed

It is a pity that the report of the fourth year's working of the National Health Service drug testing scheme (p. 56) shows that the improvement of 1951-52 (as reflected in the smaller number of certificates of analysis referred to Pharmaceutical Service Committees) was not sustained in 1952-53. Some comfort may be derived however, from the statement by the author of the report (Mr. W. J. W. Price) that errors other than numerical were fewer in the present survey than in the previous one, for the numerical error is usually the less serious.

For mixtures, ointments and tablets, etc.—i.e., dispensed medicines—the number of samples in 1952-53 was 6,071 and of those 546 or 8.9 per cent. were referred to Pharmaceutical Service Committees for investigation. In the previous year, out of 6,067 samples, 523 (8.6 per cent.) had to be referred. The position revealed by those figures, when viewed in conjunction with the statement previously quoted, is probably therefore satisfactory. It is a study of the figures relating to surgical dressings that must cause some disquiet, for they show that considerably more certificates of analysis for surgical dressings were referred to Pharmaceutical Service Committees in the year under review than in the previous one: 7.7 per cent. against 5 per cent. Cotton wool and gauze and cotton tissue were the principal offenders. In some tests the error was a genuine mistake in dispensing a hospital-quality dressing in place of a B.P.C. quality. But, says the report, many were referred because the dressing failed to meet the B.P.C. standard either because of length of time in stock, or because of unsuitable storage conditions.

It is noteworthy that, while the number of samples of tablets fell by only a small amount, the number referred fell by one third. Of the errors found, a third were directly attributable to dispensing. The other two-thirds were due to deficiencies in the tablets themselves. Indeed, nearly a quarter of all the referred samples failed to meet the disintegration test. That fact must make the storage conditions suspect.

In view of the publicity that has been given recently to the matter of proper storage, it should be borne in mind that the present report deals with a period two-and-a-half years ago at least—future reports may present a happier picture. Mr. Price is to be congratulated on producing his report two months earlier this year than last. If that rate of progress is maintained, the gap between the emergence of the report and the period with which it deals will be usefully narrowed.

This Paper's Policy

IN THE CHEMIST AND DRUGGIST news and events are presented as objectively as possible. The Editor's views on current affairs are reserved for its leader columns. They are found there and nowhere else.

It is necessary to make these points clear because we also aim at allowing the views of contributors—and especially of those whose views are patently presented as comments—to be expressed with the fullest freedom, even though at variance with our own. We take as our principle an old journalistic maxim "Comment is free, facts are sacred."

There is an obvious danger—to us—that views expressed by a contributor may be erroneously attributed to ourselves. It is a risk we have to accept, and in fact, it seems to have happened in certain quarters with "Open Shop" (C. & D., January 14, p. 40) the first of a new series of contributed commentaries we are proposing to publish at regular intervals. The writer of "Open Shop" is a retail chemist. The views he expresses are his own, and may or may not be shared by other pharmacists, or even by other retailers. What we thought was a clear indication that we did not share them was given by labelling the column "an unscripted commentary," a step we had not considered it necessary to take in connection with "Hospital Pharmacy Forum," in which once a month a hospital pharmacist puts forward controversial views with equal freedom.

While recognising that other views are held, however, and while believing that it is better that they should be aired than suppressed, the C. & D. continues to support strongly the idea of price maintenance, including collective price maintenance, and the organisation which embodies that idea in the drug trade: the Proprietary Articles Trade Association. We believe, as we have repeatedly set out in these columns, that only chaos would result from abandonment or destruction of the system the P.A.T.A. has built up and stands for, and we shall continue to urge chemists to give their full backing to the P.A.T.A., especially when, as now, legislative action hostile in character to price-maintenance systems may be in contemplation.

On the other hand we are not proposing to muzzle our contributors provided they are sincere in their views and have due regard to the laws of libel.

Cosmetic-conscious Blondes

It may be that 17.4 per cent. of Britain's voters "Don't know" whether or not they are satisfied with the present Government. British women and whether they use lipstick, nail varnish, mascara and the rest seem to be fully accounted for in a survey recently carried out by the weekly periodical Woman. At least no doubts or indecision were found in the sample of 4,000 women between sixteen and sixty-four who were interviewed by Woman's investigators. They reported that, of every 100 blondes, ninety-two had used lipstick, eighty-seven face powder, fifty-nine hand cream or lotion, nineteen nail varnish, eighteen skin food and eighteen mascara during the week before the interview. By contrast only seventy-eight per 100 brunettes had used lipstick, seventy-eight face powder, fifty-three hand cream or lotion, nine nail varnish, thirteen skin food and eight mascara. Whether any distinction was made between born blondes and peroxide blondes is not known, though a cynic might suggest that the higher figures for

blondes would be accounted for by those who began as brunettes; they would naturally be considerable users of cosmetics.

More than one woman in three is stated to have given up using powder shampoos. Liquid or lotion shampoos have been tried out by 69 per cent.; 50 per cent. have gone on using them. Cream shampoos have been tried out by only 28 per cent. and less than one in three of those who have tried them continue to use them.

Three women out of four use hand cream or lotion, but only one in ten has ever used a barrier cream. Out of every 100 women twenty-four still do not use lipstick, and nineteen do not use face-powder. Foundation and vanishing cream is used by three out of five,

but other face cosmetics are used by only a minority of women. The number of women who use cake makeup, for example, is only three per 100. Rouge is only used, even occasionally, by twenty per 100; eye shadow by five, mascara by twelve, eyebrow pencil by eight, cleansing or cold cream by thirty-eight, cleansing milk or lotion by six, skin food by twenty-five, face pack by eight, astringent by four and calamine lotion by nine.

All the chemist needs to know now for scientific stock-keeping in his cosmetic department is how many blondes, how many brunettes visit his shop, and what are their precise ages. But perhaps he would be wise to find out both sets of facts by some other method than direct questioning of his customers.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

CAREERS EXHIBITIONS "INAPPROPRIATE"

Education Committee's View

A MEETING of the Council of the Pharmaceutical Society was held in London on January 11.

The Education Committee reported its opinion that "careers" exhibitions did not constitute an appropriate medium for the recruitment of pharmacy students, and that the activity of the Society should be confined to the provision of suitable literature. MR, J. C. BLOOMFIELD asked whether the Committee was really agreed that those exhibitions were not an appropriate medium for recruitment, or whether the point was that sufficient recruits were forthcoming without organising such exhibitions. THE CHAIRMAN of the Committee (Mr, C, W, Maplethorpe) said that in the Committee's opinion they were not an appropriate medium. MR, BLOOMFIELD said that he disagreed.

A letter from the registrar-treasurer of the Ontario College of Pharmacy, referring to the reciprocity agreement between the Pharmaceutical Society and the Ontario College for the recognition of qualifications, explained that a change to some other method of granting licences in Ontario was being considered, and suggested that it would be well for any member of the Society who was contemplating going to Ontario to know the position.

THE PRESIDENT (Mr. H. Steinman) expressed the Council's pleasure at welcoming Mr. W. A. Park (chairman of the Scottish Department Executive) on his first visit to a Council meeting. In acknowledgment, Mr. Park said that his visit to Bloomsbury Square had been well worth while. The Council had given him a kind welcome, and he had learned much from having seen it at work.

THE PRESIDENT congratulated the vice-president on his having completed fifty years as a member of the Society. MR. GRANVILLE SHAW, in reply, said that he had half hoped that that "melancholy" event would escape the vigilant eye of the secretary. Nevertheless he thanked the president and members of the Council for the charming letter of "condolence" that he had received. For his part he proposed to mark the occasion by observing a "two-minutes' silence" (laughter).

THE PRESIDENT congratulated Mr. Bloomfield on behalf of the Council on his having been made a justice of the peace (applause).

The curator's report to the Establishment and Publications Committee on his appeal for old proprietary medicines, price lists, etc., showed that to date fifty replies had been received together with about 300 different proprietary medicines, some handbills and two trade catalogues.

The Benevolent Fund and War Aid Committee's report showed that grants had been made to three widows, two members and one dependant, amounting to £231. A recommendation for a grant of £208 was approved in another

case and one application was deferred. Arising out of special inquiries the Committee authorised payments in five cases amounting to £130 from the Benevolent Fund and £26 from the Orphan Fund; and recommendations under that head for grants of £58 10s, from the Benevolent Fund and £104 from the Orphan Fund were also approved. It was reported that a Christmas gift of £2 2s. each had been made to thirty-eight children under sixteen years of age whose parents were receiving assistance from the Benevolent Fund, and that a similar gift was made to six children whose parents were receiving assistance from the War Aid Fund. It was reported that the will trust of the late Mr. Charles Hopkinson Thornton had been wound up, and that a cheque for £2,679 8s. 10d. for the Society's Benevolent Fund had been received from the solicitors. The quarterly reports showed that in the last three months of 1955 grants were made in fifty-two cases, amounting to £3,400 against thirty-six grants and £2,111 in the last quarter of 1954. Benevolent Fund receipts in the quarter were £15,860 including subscriptions of £7,761 against £15,163 (subscriptions £7,019) in the December quarter of 1954. From the War Aid Fund in the quarter, three grants were made amounting to £377, against two grants and £181 in the same quarter of 1954.

The Birdsgrove House warden's report stated that in the month to December 16, 1955, twenty guests stayed at the convalescent home for a total of forty weeks, against twenty-two guests and forty-seven weeks in the same period of 1954. Five contributions from guests to supplement weekly payments were received, amounting to £15. Gifts in kind were also reported. The receipt was reported of £22 from the Hounslow Branch, the cost of an easy chain and plaque presented by them. The Committee rejected a suggestion that guests should be in their rooms by 11 p.m. It was decided that guests should not be permitted to bring domestic pets to the home.

The Education Committee reported that since the las meeting twenty-one persons had been registered as "stu dent," making a total of 849 in 1955, against 922 in 1954 On the recommendation of the Law Committee it was agree that the names of eleven applicants for reciprocal registra tion should be added to the Register.

The Education Committee reported that it had approve the City of Bath technical college for instruction for th Society's Intermediate examination.

The Law Committee reported that in November 195 the Society's inspectors and agents visited 1,175 authorise sellers, 185 listed sellers and 459 drug-store proprietors an similar traders. Five cases of alleged infringements of the Pharmacy Acts were considered, and action was taken.

PHARMACY'S FUTURE AS I SEE IT

Second of a series of articles presenting the views of pharmacists in different branches of the profession and from various parts of the country

PHARMACY'S THIRD MAN

By Kenneth Holland

ARIETY has been always the pharmacists' spice of life! Each new development in applied chemistry has added hundreds of items to the intricate array on his shelves from Daguerreotype, laudanum and orange flower water to colour film, cortisone and "pancake" make-up. It is not surprising, therefore, that the need for a middleman acting between the intensely competitive manufacturers of all those goods and the retailers who distribute them to the public is more necessary than in practically any other business.

A New Type of Distributor

Before the 1939-45 war the retail pharmacist bought the bulk of his manufactured and prepacked goods from a general wholesaler. Those products were almost entirely resold over the shop counter. The vast majority of prescriptions were extemporaneously compounded from ingredients purchased from specialist manufacturers direct—the "drug houses." Nowadays, of course, a considerable proportion of prescriptions call for prepacked, trade-marked products, the so-called "ethical pharmaceuticals." These new additions to the dispensary shelves, in a bewilderment of pack, presentation and strength, have underlined and increased the need for the services of a middleman.

The pre-war wholesaler need have comparatively little regard to matters pharmaceutically or medically technical for, provided he kept well in touch with popular Press advertising, he could provision most of his shelves with reasonable confidence. The latter-day demand for ethicals, however, has presented him with a completely new set of problems in provisioning. Fashions in prescribing habits are controlled in a very different manner from fashions in patent medicines and cosmetics: new discoveries of pharmacological research, observations made following comparative clinical trials, or even a more skilful publicity campaign for a competitive product, can alter stocking policy overnight. The wholesaler who wishes to enter the ethical pharmaceutical field is therefore compelled to keep up-to-date by reading technical literature and pharmaceutical and medical journals with the same understanding as is shown by his retail and hospital customers. If he is not prepared or able to do that he would be advised to stick to the "patent" medicine, cosmetic and sundries business.

This newer phase of pharmaceutical mass production has served to emphasise a need for pharmaceutical training in the conduct of wholesale houses. The chain of modern pharmaceutical distribution is not complete, therefore, unless pharmacists enjoy the same standing and responsibility in wholesaling as they now have in manufacturing, general and hospital practice.

In recent years a new type of wholesaler has appeared, specialising in the distribution of prescription lines. Some of the older general wholesalers have kept well in touch with modern requirements and have established "prescription services" which are specialised in the same way and, in general, are operated as more or less separately organised departments. Undoubtedly the future will witness a widening of the cleavage between the two types of wholesaling, as the business of stocking and distributing ethicals becomes more and more incompatible with that of

stocking and distributing bathing caps and Blank's nostrum. Speed of supply has traditionally been a matter of pride with the wholesale druggist and sundriesman. A "next-day," "same-day" or even "twice-a-day" service was, and still is, a commonplace in all large city and suburban areas. Since the war, however, worsening traffic conditions in the centres of large towns and cities has made the provision of that sort of service difficult—if not impossible—at any great distance from centrally placed warehouses. "Contrariwise," retailers (and hospitals too) insist on at least as good a service as they enjoyed pre-war. In that they are not unreasonable, for the vagaries of prescribing from an immense and growing range of medicaments precludes the holding of sufficient stocks to dispense every prescription presented, especially those brought in by the patients of "strange" doctors. To the customer, clutching his EC10, what the doctor has just written thereon tends always to be "urgent," and the late dispensing of even the most obscure preparation can cause an unpleasant scene over the counter.

In these days of full employment, staff of the calibre of the pre-war wholesaler's office and stockroom workers are more than ever difficult to find. Especially is that true in the business centres of large towns and cities. In order to maintain a reasonable and understanding service to busy dispensary customers, the harassed wholesaler must nevertheless man his telephones, pricing departments, stockroom floors and vans with intelligent and well-trained employees. Unfortunately [in this age of technology], many other types of employer have the same need.

Summing Up

From the foregoing analysis of modern conditions and demands on wholesaling I would say that the future will witness the following development of trends already apparent in this section of our distribution apparatus:—

The older "comprehensive" wholesaler will tend to disappear as such, and will be replaced by two or more types

of specialists.

1. General Sundriesmen. These will supply prepacked medicines for counter sale whether those are nationally advertised proprietaries or "own-name" popular remedies. They may also supply cosmetics and photographic goods, though these tend to be more and more distributed direct to the retailer by manufacturers, and they will certainly continue to compete with the small sundriesman in the field of counter sundries, such as combs, thermometers, etc. General sundriesmen will be of varying size, giving a service by van or rail over quite large areas.

2. Pharmaceutical Wholesalers. These establishments will specialise in the supply of dispensary requirements, and will be truly entitled to the "pharmaceutical" description. They will operate in comparatively small areas since they will need to be near a town centre in order to enjoy the facilities of a central position in relation to the population which they set out to supply. The deliveries they make will be both frequent and rapid, and that also will limit their size. These depôts will be pharmaceutical centres in the best sense, for they will supplement their distributive functions by providing a product and technical information department, laboratory facilities, and a central dis-

pensary in which "awkward" items can be extemporaneously prepared. Needless to say, they will have to be pharmacist controlled and operated.

In time, I am convinced, the "drug houses" as we now know them will disappear. Companies that used to draw their main revenue from the preparation and supply of bulk drugs and chemicals for use in the dispensary are nowadays increasingly employing their time and facili-

ties in the manufacture of ethicals. As the usage of galenicals becomes even smaller, their distribution also will pass to the "pharmaceutical" wholesaler.

This sturdy newcomer to the pharmaceutical scene is pharmacy's "Third Man"—a vital link in the technique of drug supply. It is right that wholesaling should offer the possibility of interesting and important employment to the pharmacist of tomorrow.

Can a chemist when he retires live securely and comfortably on the income from his invested savings? The experience of one who is actually doing so is an illuminating story.

RETIREMENT WITHOUT PENSION

By Coelacanth

HARMACISTS approaching the age of retirement without pension in view may sometimes wonder whether their income from invested savings will prove adequate for their comfort and security. Circumstances vary so widely that no generalisation on that subject can be helpful. On the other hand, the actual experiences of a proprietor-pharmacist who, on account of serious illness, was compelled to retire earlier than he had intended, may provide useful hints to others who may be contemplating retirement with feelings of anxiety.

Pain of Giving Up

My business was of the mixed type in a populous district of a Mid'ands city. Turnover, even at the busiest season, seldom touched £100 a week. At the time when it was relinquished it had been in the same family, father and son, for over sixty years, and the name on the facia was a household word, in the neighbourhood of the shop and in a wider area. That fact made withdrawal more painful when, towards the end of the 1939-45 war, a malady that had been troubling me for many years reached a crisis, and I was informed by my medical advisers that only by undergoing a major operation could I hope to prolong life beyond two or three months, I sold the business and entered hospital. There I was relieved of my stomach—the source of the prolonged pain and disability from which I had suffered—and slowly crept back along the uphill path to renewed health.

The situation was now as follows. My wife and I were living in our own house, Our family was grown up and self-supporting. I still owned the shop premises (the purchaser of the business had put a manager in charge); and our capital, including the purchase price and savings, amounted to just over £3,000.

It soon became evident that a move would have to be made to a smaller house; and the change of residence was used as an opportunity to satisfy a long-held wish to live in the country. Some months were spent in finding a suitable house in a village where the cost of living would be substantially lower, but at length the search was successful. The town house was sold, and an old cottage, recently restored and adapted to comply with modern standards of comfort and convenience, was bought.

The first economy was in the rates: the rateable value of our new home is £5 a year. The garden provides almost all the vegetables, fruit and salads required, as well as a succession of flowers—and backaches! Fuel from the neighbouring woodlands is to be had for the cutting, and the coal bill is correspondingly reduced. Two colonies of bees normally produce enough surplus honey to supply all sugar requirements through the year.

It soon became known in the near-by market town that an ex-proprietor pharmacist was living in the neighbourhood, and requests for holiday and emergency relief began to come in. As my health continued to improve I accepted some locum engagements. When the time came to review my first year of retirement, or part retirement as it had proved to me, I found that my income was as follows:—

the state of the s	***3.
Fees for locum work	£188
Rent from shop premises	£70
Income from occasional literary contributions	£21
Dividends and interest from investments, excluding	
increment from 700 National Savings certificates	£103

Total (gross) £382

A modest sum to supply the necessities of two people for a year, and a bare subsistence compared with the opulence of my former net profits! Still, it was enough for current needs, though it left nothing over for holidays and amusements that had to be paid for in cash.

As the years went by locum engagements increased, but various unforeseen expenses depleted savings by about £200—not a very serious loss of capital over a period of ten years.

The prospects for 1956 are bright. In June I shall become eligible for the retirement pension, and at present rates that will bring in 65s. a week—provided that I do not earn more than £2 in any particular week. There are also some postwar credits to be paid. It looks as if a holiday by the sea will be possible this year. Not that an annual holiday, when part of almost every day is a holiday, is essential for health and happiness. Increased leisure gives time for hobbies and social service (as a parish councillor, school manager, and secretary of the parochial church council). Evening classes at the village college in a variety of subjects keep the brain alert and the hands skilful.

Living partly off the land is good not only for the body but in a mysterious way also for the soul. Cultivation of the soil, bee-keeping, and sawing logs for burning on the hearth satisfy instincts that are deep-rooted in human nature. One always looks ahead with hope: if this season is a bad one surely the next will be better! It becomes a matter o simple faith to follow the advice of the teacher who said "Be not anxious for your life, what ye shall eat, or whay e shall drink; nor yet for your body, what ye shall puon; for your heavenly Father knoweth that ye have need o all these things."

Although my period of retirement without pension in nearing its end, and the Welfare State will soon be returning some of the voluntary and compulsory contributions began to pay in 1937, I have enjoyed the years in which have lived precariously, earning a few guineas here an there, and wresting many of the necessities of life from the raw materials that Nature provides. What seemed at the time a calamity—the loss of my business, my only appared means of livelthood—has proved to be a blessing in disguis for health has been almost miraculously restored, and I can assert with truth that my present mode of life is fuller ar more varied than when I spent endless days behind the counter carrying on the business of a chemist and druggis

Correspondence

Letters when received must bear the name and address of the sender, not necessarily The Editor does not hold himself responsible for the views expressed. for publication.

British Standard Syringe

Sir,-At a recent meeting of the Harrow Branch of the Pharmaceutical Society, as reported in THE CHEMIST AND DRUGGIST, the invited speaker advised pharmacists to dispense the British Standard type of hypodermic syringe for diabetics. Perhaps that is easier said than done. Among my customers are a number of diabetics and of every seven of them six prefer the old insulin syringe—or profess to. The "odd man out" is generally, I find, a member of the British Diabetic Association and has specified the B.S. syringe after first learning of it through the Diabetic Journal (the association's magazine). The other six users, when told of the B.S. syringe, showed no enthusiasm for it. They seem to have no inclination to experiment with "new-fangled" types of syringe. I recommend the B.S. type to all my diabetic customers who have the patience to listen to me, pointing out its obvious advantage in the marking of the grada-tions, but it is an uphill struggle. I wonder if other pharmacist readers have experienced similar difficulty. One of my customers even said that his doctor, when it was suggested that he should prescribe a British Standard syringe, had not heard of it. IDEALIST

Vain Purchase-tax Hopes

SIR,—There is evidence on all sides of a growing reluctance on the part of the retailer to replenish his stocks during the first three months of this year, due undoubtedly to a mistaken idea, which has received some support in the popular Press, that there will be reductions in purchase-tax rates in the 1956 Budget, or that purchase tax will be replaced by some form of sales tax. As regards purchase tax itself there has been a definite statement from the Treasury that no purchase-tax reductions are being made in the 1956 Spring Budget. On December 16, 1955, a deputation from the jewellery, fancy goods and allied trades went to the Treasury. They put their case for re-Treasury. They put their case for reductions in purchase tax and for a January announcement of the Chancellor's intentions, so that a quarter's stagnation in trade could be avoided. I now quote from the official report of the meeting:

. . . He (Mr. Henry Brooke, M.P., Financial Secretary to the Treasury) made it clear, in response to queries about a possible announcement by the Chancellor in January to avoid uncertainty in buying before the Budget, that there was no question of there being any reduction then. The Autumn increases would not have been made if there was any likelihood of them being reduced again within such a comparatively short period. He claimed that this had been made quite clear by Butler during the debate on the Budget. Thus there was no need for an announcement in January."

Seldom has so plain and unequivocal

emanated from any statement Government department, and I trust that you will give it every publicity.

F. J. HUNT, managing director Birmingham, 3 MAX GATE, LTD.

"Open Shop"

SIR,—As the first "unscripted commentary" in your new "Open Shop" series (C. & D., January 14, p. 40) embodies a vicious and tendentious attack on the P.A.T.A. and its policy and that of some of its strongest supporters, I should like to make the following observations on some aspects of "E. C. Tenner's" article. First, I First, I would recall a paragraph of a letter from me which appeared in your issue of November 5, 1955, just after the introduction of the Autumn Budget. In that I forecast that the increased pur-chase-tax rates, coming at the time they did, would cause extreme irritation and annoyance to all sections of the trade, adding "At this time of the year, when manufacturers and distributors are preoccupied with preparations for the Christmas trade, when stocks of taxable goods . . . are heavy in some shops and short in others, the inevitable variations in retail prices for the same product are likely to engender resentment and suspicion on the part of the purchasing public." The "irritation and annoyance" forecast materialised in full measure, and in the retail trade centred round the fact (which is the gravamen of "E. C. Tenner's" attack) that, for detailed reasons which the P.A.T.A. Executive—to whom they were made known at the time-accepted as compelling, the multiple shops found it quite impracticable to make their price adjustments before Christmas. The P.A.T.A. Council is satisfied the companies are staunchly behind the Association's resale price maintenance policy and knows and appreciates that they have given very practical evidence of their support of it. That support has been publicly declared and the Council is satisfied that there is no likelihood of any departure from it. The circumstances which led recently to criticism of the P.A.T.A. attitude were most exceptional and should be regarded as such. As to the future of the P.A.T.A. system under the anticipated legislation,
"E. C. Tenner" might usefully remember the statements regarding price maintenance made by the President of the Board of Trade (and the Attorney General) in the debate on July 13, 195 (C.&D., July 23, 1955, p. 82). In the light of those pronouncements, although he may not relish it, "E. C. Tenner" will, I think, find that in the days ahead the P.A.T.A. will still be operating an effective form of price protection, either by existing means or by an alternative method to be provided for in the new legislation.

H. E. CHAPMAN, Secretary, Proprietary Articles Trade London, W.C.1 Association

P.A.T.A. and C.F.

SIR,—Being confined to bed with a bad cold gave me time which I don't normally have (or take perhaps would be more correct) to read the C. & D. from cover to cover, which I haven't done for about ten years, when I was chairman of the Ulster Associates' Section (U.C.A.). I am prompted to put pen to paper about one or two things, especially after reading E. C. Tenner's "Open Shop." I agree wholeheartedly with his remarks on the Proprietary Articles Trade Association and see also the danger of its being outlawed. But it also made me think of ways of "getting round" any such possible tragedy. First of all, all "patents" with fixed prices (especially advertised preparations) should be priced with full price including tax (even if only by stick-on labels). Next, when leakages of C.F. goods occur is it not usually some unscrupulous retailer who is to blame? Thirdly, with preparations that are not P.A.T.A. would it not be better for the chemist, if he cannot have an own-name preparation similar to the proprietary, to relabel the proprietary with his own label and name, thereby guaranteeing his correct profit margin. Belfast. JOHN MAC

Northern Ireland

Training in Truss Fitting

SIR,—I thought I would write to let you know what a great success the hernia fitters' training course was which I recently organised on behalf of the Institute of British Surgical Technicians at Manchester University. Mr. F. Mitchell-Heggs, F.R.C.S., was the lecturer and we were very fortunate to have his services. He is the author of the official text-book for the courses, but he also always recommends students to obtain the booklet "The Fitting of Trusses and Elastic Hosiery" which I wrote and you published, and which he describes as "a very useful corollary" to his own book. We had an original entry of sixty-two students, mostly chemists and their assistants, from an area as far afield as Stoke-on-Trent, Burnley and Liverpool. Some fell away after the first two or three lectures, but strangely enough they were mostly very local people—that is to say from the Manchester local area, not those who had to travel long distances. The class eventually settled down to a steady forty-five to fifty, of whom thirty-eight sat the examination, which took place on the evening of Tuesday, December 6, 1955. There was a written paper with some rather stiff questions to be answered. Four answers were required. and 2½ hours was allowed, but out of that the student spent a considerable amount of time—about fifteen to thirty minutes—in another room where he had to satisfy two of the examiners of his capabilities from a practical angle, in such matters as "approach to the patient" and "correct measuring."

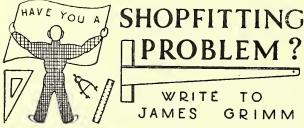
Manchester, 3 A. SHELMERDINE

Desirable Qualities

SIR,—Apropos the interesting article on the "Future of Pharmacy," (C. & D., January 7, p. 17) one cannot help but notice the increasing number of unqualified persons who now represent ethical (?) firms. We are all too familiar with the situation where the grocer sells our "bread and butter" lines, van-men call upon our country customers, and the unqualified assistant does our dispensing—but the prospect of the unqualified coming round to enlighten us—O tempora! O mores! As for the medical men, I know of some who (because of this situation) now insist on knowing the qualification of a representative before seeing him—but enough of that. . . . Looking through the advertisements in a recent C, & D, I found the following "desirable qualities" required in applicants for representative posts:-

"Preferably qualified . . ."
"Unqualified . . ."
"Qualification not essential . . ."

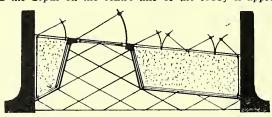
"Qualification desirable but . . . " One can only conclude that Ph.C.s are either very rare—or else they are not worth having. And, if something is not done, and done soon, to stop this trend in pharmacy, I feel that our Societies should change their mottoes and instead use "Ichabod." No one wishes to be narrow or vindictive, but there is little satisfaction to be gained from digging our own grave, even if we seem to have one foot there already. FRATER MINIMUS, Ph.C.



One of your earlier answers (C. & D., June 11, 1955, p. 648) interested me because the layout bore a striking resemblance to my shop, measurements and details of which I have superimposed on your sketches. My wall which I have superimposed on your sketches. My wall cares are good and adequate; counters can be moved, shortened, etc., at will, but the sk-pfront is bad. I would welcome an elaboration of the sentence "While it would be possible to alter . . .", both as it affects the interior and exterior, but particularly the exterior. I have had several suggestions, the most attractive of which placed the window at an angle as I have indicawhich placed the window at an angle, as I have indicated on your second sketch. Vitrolite is "out," except perhaps as a facia. The property is my own. It is in the middle of a block of similar old-fashioned country-town shops, but mine is the narrowest front. What I want is to make it more prominent without going modernistic.

THE shopfront plan and elevation which I have drawn for you will, I think, assist you in your quest for a suitable design. The details of this proposed shopfront are:—
PLAN: The whole front splays slightly from left to right.

The whole front splays slightly from left to right, and the depth on the centre line of the lobby is approxi-

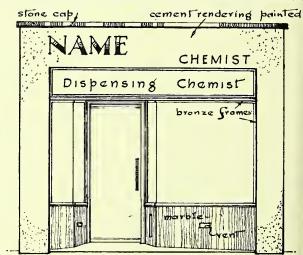


mately 3 ft. 3 in. from pavement line to door face. There are a small window on the left and a larger one on the right, the latter capable of further subdivision with a centre internal portable dividing panel if desired. Access to the windows is by hinged doors in the manner shown. The doors may be either solid or glazed with semi-obscured glass, according to your requirements. If the shop is not too well lit at the moment, glazed enclosure doors would admit more daylight into the shop. The depth back to front of the large window is 24 in. The lobby floor is of terrazzo to an approved colour, and with inset black fibre

terrazzo to an approved colour, and with inset black fibre strips to form the diamond pattern shown. You will notice that both windows are set back slightly off the pavement line (about 4 in.), as that helps the shopfront elevation.

ELEVATION: From the photograph you enclosed it appears that your present wood shopfront is flanked by wall areas, which are cement-rendered and decorated. I suggest that you keep that treatment for the new shopfront (cement-rendered pilasters and facia decorated a pastel grey). You will see by my sketch that the effect is one of simplicity and dignity of line and, as your shopfront is not wide, that treatment would give maximum visual width. A small stone or granite cap would be necesvisual width. A small stone or granite cap would be neces-

sary at the top to give line to the front and also to throw off weather. The facia name and the word "chemist," I off weather. suggest, should be in block-type letters formed from leadcoated sheet steel, stove enamelled to an approved colour. As a pleasing contrast to the pale grey of the facia and surround, the letters could be in either burgundy colour or pillar-box red. The shopfront sashes, etc., are formed from drawn bronze metal mouldings with hardwood cores, the sections being as small and light as practicable. The two corners of the windows have barless glazing. The stall-risers could be either granite, marble or toughened black glass. If you use marble I would suggest a dark green colour. These stall-risers would have vents as indicated



on the elevation. The entrance door shown is in armourplate glass, as that would give maximum visibility in the shop and would add a dignified modern note to the frontage. You can, of course, if economy dictates, have a wood-framed door, in which case the letter box plate would be in the bottom rail of the door. If you can go to an armour-plate door, the letter-box plate woulld be in the right-hand return stall-riser (as shown on elevation) and access to the letter box would be by a small hinged door inside the shop, below the window. The shopfront frieze would be plate-glass in acid-treated stipple, and the lettering would be acid-embossed and covered with gold leaf, with small black outline to sharpen the appearance of the lettering. At the bottom line of the frieze there would be a lobby soffit that would become the window soffits inside the windows. The windows would, of course, be cut as required to take the lighting fittings.

INTERIOR: I have taken that, if the suggested shopfront design were adopted and installed, you could readily adapt the existing interior fittings to suit

the existing interior fittings to suit

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INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

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PHARMACEUTICAL SOCIETY OF IRELAND

Monthly meeting of Council

AT a meeting of the Council of the Pharmaceutical Society of Ireland, held in Dublin, on January 10, Mr. P. F. McGrath (president) was in the chair. Also present were Messrs. M. Power (vice-president), H. P. Corrigan, G. C. O'Neill, A. A. Toher, J. J. O'Regan, V. G. McElwee, D. J. Kennelly, P. Fullam, T. C. Scott, F. J. Robinson, M. Costello, C. J. Cremen, and J. Gleeson. Mr. James G. Coleman (registrar) was in attendance. Apologies for absence were received from Messrs. T. B. O'Sullivan, E. McSweeney, C. D. O'Shea, F. Loughman, and P. A. Brady. THE PRESI-DENT wished all members of the Council a happy new year, a wish cordially reciprocated by all present. Visitors were appointed to the January Licence examinations, for which there was an entry of twenty-nine for Part I and thirty-nine for Part II.

Greetings were received from the Archbishop of Dublin, the Lord Mayor of Dublin, the Minister for Health, the presidents of the Pharmaceutical Societies of Great Britain, Northern Ireland, Pharmacy Board of Australia, Pharmaceutical Council of Western Australia, Pharmacy Board of New South Wales, the commissioner and officers of the Garda Siochana, the presidents of the Irish Drug Association, the Ulster Chemists' Association, the National Association of Women Pharmacists, and the Association of Ophthalmic Opticians, La Real Academia de Farmacia, Madrid, the Editor of THE CHEMIST AND DRUGGIST, and the

Editor of the British and Overseas Pharmacist.

Tribute to the late P. C. Cahill

During consideration of the Schools Committee report the Council had before it a memorandum on pharmaceutical education submitted by Mr. Toher. The memorandum included the statement: "It is appropriate to refer at this moment to the debt we owe to the late P. C. Cahill for his vision and brilliant planning, and for the inspiration he gave lesser pharmacists who follow in his footsteps. The graduation of the first students from the second professional course will be the culmination of the effort initiated by P. C. Cahill and it is unthinkable that the syllabus

should be in the slightest way insufficient."

"In compiling the syllabus," Mr. Toher observed, "a clear picture of present and future requirements is essential. The guiding principle should be the requirements of the Irish retail pharmacists. The challenge of intense competition and encroachment by other interests can only be met by providing the best possible training for the job on hand.

"As already suggested at the September 1955 meeting of Council, students should be encouraged to prepare for the second professional course during their years of apprenticeship. In that way the disadvantage of a final course of studies lasting only one year will be minimised."

Dealing with the first professional course, Mr. Toher recommended: "The use of vegetable drugs decreases year by year, hence the botany course should be critically scrutinised for unnecessary detail. Pharmacognosy should be transferred to that course from the second professional course so as to enable students to make better use of their apprenticeship and to familiarise themselves more easily with the British Pharmacopæia preparations of vegetable drugs. That obsolescence of vegetable drugs indicates that botany and pharmacognosy should receive progressively less attention as time passes. To introduce at the present stage an exhaustive course in pharmacognosy would be a retrogression."

On the second professional course, Mr. Toher wrote: "The pronounced trend towards chemotherapy, which emerged in the early '40's, is now firmly established. The pharmacist's rôle in that scheme of things is analogous to that of a librarian. Although that conception has not received wide recognition in Ireland, it will achieve greater acceptance as medicine increases in complexity. academic training required, involves a synthesis of physiology, biochemistry, pharmacology, bacteriology and organic chemistry. How much of each of those sciences to include in the syllabus will require detailed study, bearing in mind that a course which includes only the essential produces technicians, not professional men."

Recommending that students should be given a course on commercial practice Mr. Toher commented: "It was admitted during the recent court actions that the profession of pharmacy required to be subsidised by trading activities. The future of the profession lies in a marriage of those two activities. Therefore some kind of business training is

essential."

Training in Commerce

THE PRESIDENT said that the Council owed a debt to Mr. Toher for the interest he had taken in the subject, and he was to be complimented on the production of the memorandum (hear, hear). The question of a commerce course for students had been discussed in Council some years ago, and while he agreed that it was very essential for students to have a knowledge of commerce he could not agree that it should be done by the Society. During the first year, a lecture could be given to students stressing the need for such a course, and suggesting that they should attend a commerce course at the technical schools. Mr. Scott thought that it would be a good idea if Mr. Toher wrote a pamphlet on the need for business training for chemists which could be distributed to young chemists throughout the country. THE PRESIDENT said that he would not like to ask Mr. Toher to undertake such a task. He had put up something worth considering, and he suggested that Mr. Toher should have a chat with Dr. Timoney (Dean of the College of Pharmacy). The pharmacognosy course had been reduced as each B.P. came out. Mr. Toher had also suggested that botany should be reduced but he (the president) did not think that that should be much reduced since the pharmacist could do big business in horticulture. Mr. KENNELLY, congratulating Mr. Toher on his work, said that when Dr. Timoney submitted his report he had meant it to be very elastic. Dr. Timoney had thought that the Council should feel its way during the coming year. He (Mr. Kennelly) agreed with the president that the student could get a training in business methods at the technical school. Mr. O'NEILL said that unless the Council was prepared to treat a training in commerce as an examination subject, all it could do was express a pious hope that students would do such a course elsewhere. MR. TOHER thanked Mr. Scott for his suggestion about a pamphlet but thought that an article on the subject in the pharmaceutical Press would meet the case. Mr. Toher agreed to discuss the matters mentioned in his memorandum with Dr. Timoney.

THE PRESIDENT said that during a recent talk with the Society's teaching staff on the problems likely to arise during the second professional year the need for a new

biology laboratory was stressed.

The next matter for consideration, THE PRESIDENT said, was the question of allowing the heads of each department in the College to act as examiners conjointly with external examiners, as they did in the universities. Mr. TOHER said that he had read something against allowing professors to act as examiners, and in favour of external examiners only. That was a matter on which members of Council should think a lot and act carefully. Mr. Costello: Personally I am in favour of it if it can be worked, for the reason that the person who has been teaching knows how far a student has gone in a particular subject. PRESIDENT: The system works in all our universities and the College

of Surgeons. MR. Kennelly said that with the new and higher standard courses it was necessary to have external examiners, but there should be some link between them and the courses in the College. MR. Fullam thought that the matter deserved more consideration than they could give it that day. MR. O'REGAN: I think it is an excellent idea, but I agree that we should not rush into it. President: We have external examiners as it is: the question is will our internal examiners join up with them. Except for pharmacy all our examiners are from the University. I agree that the subject is too big to be disposed of at this meeting.

Post-graduate Courses

Since the last Council meeting, THE PRESIDENT said that representations had been made by the Irish Chemists' Representative Organisation on the need for post-graduate courses. A meeting was held and a committee formed, of which Mr. Kennelly was a member, to study the whole question. Mr. D. W. P. Boyd was chairman of that committee. A fee would be charged for the set of lectures and the Council were asked to accept responsibility for a deficit on running the course, if any. The committee consisted of the younger pharmacists, hospital pharmacists and medical representatives. The course would include physiology. Mr. Kennelly said that some wanted a course in advanced chemistry so that pharmacists would be informed on the new chemotherapeutic substances. The young group anxious for those lectures were very much awake. The knowledge from those courses, it was thought, would equip pharmacists to take up posts outside retail pharmacy. He did not think that the Council would have to meet any deficit, in view of the number anxious to attend. Mr. FULLAM: I think it is a very good thing. MR. TOHER: It is a great idea. We should be 100 per cent, behind it. PRESIDENT: We are 100 per cent, behind it. MR. O'REGAN: I am sure that you will be doing something good for pharmacy by encouraging the course.

The president then vacated the chair to catch a plane for London with Messrs. Corrigan and Kennelly to meet the British Pharmaceutical Conference Executive in London the next day. The vice-president took the chair.

A letter was read from the Minister for Health stating that the present National Health Council would finish its term of office in March, and requesting the Council to nominate a representative on the new Health Council which would function until March 1958. THE VICE-PRESIDENT, proposing the re-election of the president as the pharmaceutical nominee on the National Health Council, said that Mr. McGrath had taken a keen interest in the work of the Council and had done an immense amount of work for the profession there. Mr. Costello said that as the person responsible for nominating Mr. McGrath in the first instance he did so again to ensure continuity. The president had no alternative but to accept the nomination they all so gladly gave him. The motion was carried unanimously.

On the motion of MR. Costello, the thanks of the Council were accorded to Mr. Martin of Imperial Chemical Industries, Ltd., for his valued help in having documents translated for use in connection with the Supreme Court appeal; to Mr. Patrick McMahon, Kildysart, for his gift of a copy of the Dublin Pharmacopæia of 1850 for the library; and to Mr. E. Hassett, Wexford, for his gift of an antique medicine cabinet for the Society's museum. The thanks of the Council were also voted to Mr. J. W. D. Crowley, Melbourne, Australia, for supplying a dossier of information on the working of the National Health Services in Australia, and sending a copy of the official book *Notes for Approved Chemists*.

Misses Mary Byrne, Mary C. Costello, and Dorothy O'Grady, and Messrs. G. Doherty, P. P. Gray, P. F. Larkin, and M. Moloney were elected members of the Society. Mr. Denis Flannery was elected an associate of the Society.

The following were nominated for membership: Thomas Fullam, Rathangan, co. Kildare; Stephen J. Carden, 89 Fraser Road, Perivale, Greenford, Middlesex, England; Patrick J. Lyons, Highland Lodge, Kilkelly, co. Mayo; Thomas K. O'Leary, Jervis Street Hospital, Dublin; and John A. Tierney, Rathdrum, co. Wicklow.

At a meeting of the Benevolent Fund Committee held at the close of the Council meeting a number of grants

were passed for payment,

The following changes of address were notified:—Mr. S. J. Carden, L.P.S.I., to 89 Fraser Road, Perivale, Greenford, Middlesex, England; Mr. Maurice Collins, M.P.S.I., to Beechpark, Castleknock, co. Dublin; Mr. John J. Cranitch, L.P.S.I., to 32 Clancy Street, Fermoy, co. Cork; Mr. John A. Tierney, L.P.S.I., to Rathdrum, co. Wicklow; Mrs. Anne O'Donnell, L.P.S.I., to Charlestown, co. Mayo; Mrs. Mary McCarthy, M.P.S.I., to 46 Anglesea Road, Donnybrook, Dublin; Mrs. Monica O'Riordan, M.P.S.I., to 113 O'Devaney Gardens, North Circular Road, Dublin.

Mrs. Anne B. O'Donnell (née Manning) who submitted marriage certificate was granted change of name in the Registers. Drs. Patrick L. Lyons and Thomas K. O'Leary who submitted L.A.H. certificates applied for and were accepted for registration as pharmaceutical chemists. On consideration of the Law Committee's report, which was adopted, it was agreed that the Seal of the Society should be affixed to the Deed of Assignment and memorial for the transfer of portion of the ground of 18 Shrewsbury Road to Sir A. Chester Beatty.

A Chartered Accountant gives answers to

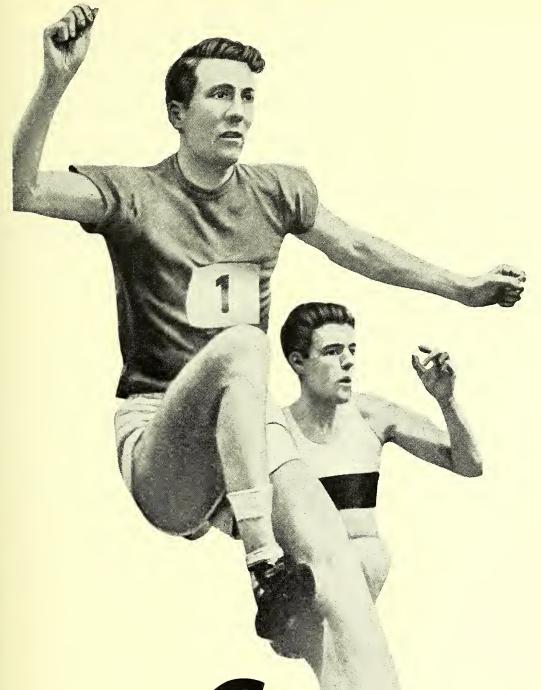
ANY BUSINESS QUESTIONS?

My wife is a qualified pharmacist and I have admitted her to a partnership in my business. It is indispensable for her to spend a considerable amount of time in the business and on that account it has been necessary to send our child to a nursery school. Can the costs of sending her be charged as an expense against the business?

So far as the partners themselves are concerned, they may make, of course, whatever agreement they wish in the matter of expenses chargeable against profits before arriving at the share of profits of each partner. But for tax purposes it has long been decided that the cost of domestic arrangements to enable a married woman to pursue a professional vocation are not an admissible deduction from her earnings. If the item is charged in the accounts, therefore, it would be added back in computing the taxable profits of the partnership.

If a limited company buys a business and is at the same time assigned a repairing lease by the previous proprietor, would the members of the company, at the termination of the lease, be liable for repairs in excess of their limited liability if those repairs proved to be extensive? Or would responsibility be pushed back on to the assignor?

A LIMITED company is an incorporated body, the liability of whose members is limited to the amount unpaid on the shares they respectively hold ("a company limited by shares"), or to such amount as the members may nave undertaken to contribute to the assets of the company in the event of its being wound up ("a company limited by guarantee"). There cannot, therefore, in normal circumstances be any liability in excess of the limited liability of the members. The obligation to repair, and its extent, are governed by the agreement between the parties. The persor or company to whom a property is leased holds the lease by virtue of a relationship of contract, and the lessor may have an option of proceeding against him or against any person to whom the property was assigned at the time a breach of covenant was committed. It is possible, there fore, that responsibility may be pushed back to the lessee o any previous defaulting assignee.

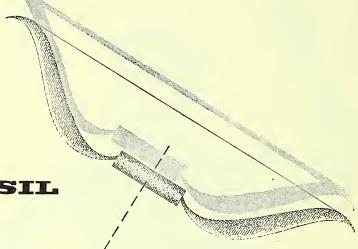


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No Warner preparation has ever been advertised to the public.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JANUARY 18: The markets provided few important features during the week. The business that was transacted appeared to be on a hand-to-mouth basis. It is generally agreed that the present restriction on credit is the principal factor responsible for the continued lull.

Among CRUDE DRUGS, Aleppy green CARDAMOMS and GUM ACACIA were easier in all positions. TURMERIC was somewhat easier for shipment. FENUGREEK seeds were firmer with both Moroccan and Indian quoted at 75s. per cwt. on the spot. Colombian IPECACUANHA was scarcer and shipment rates were up by one shilling per lb. TOLU BALSAM was dearer by a similar amount on the spot whilst Portuguese ERGOT was threepence per lb. lower. Shipments of Tinnevelly SENNA from the port of Tuticorin during December 1955 are given below.

	U.K.	U.S.	EUROPE
	tons	tons	tons
SENNA			
LEAVES	1	67	44
Pods	$2\frac{1}{2}$	_	33½

The fall in ZINC continued and manufacturers of the OXIDE were able to lower their prices by £3 per ton. Increased packaging charges were applied to BISMUTH salts when supplied in containers up to 7 lb. SULPHUR is tending to be dearer, whilst THEOPHYLLINE and its derivatives are weaker.

In ESSENTIAL OILS, Madagascar CLOVE LEAF fell by one shilling per lb. at origin. Ceylon CITRONELLA was three-halfpence per lb. lower on the spot, although shipment quotations were unchanged on the week. Supplies of Mysore SANDALWOOD were a little more plentiful than in the past few months.

EXCHANGE RATES ON LONDON

	At the opening on Wednesday								
•	Alexandria Piastres to £ 971-971								
	Amsterdam . 10-56-10-72								
•	Bombay Shillings to								
	rupee $1/5\frac{15}{16}-1/6\frac{1}{16}$								
	Brussels Francs to £ 138.95-141.05								
	Copenhagen Kronor to £ 19.19\(\frac{1}{2}\)-19.48\(\frac{1}{2}\)								
	Dutch West								
	Indies Floring to £ 5.24-5.32								
•	Hong Kong Shillings to \$ 1/213-1/215								
•	Karachi Shillings to								
	rupee 1/515-1/616								
	Lisbon Escudos to £ 79.90-81.10								
•	Montreal Dollars to £ $2.80\frac{3}{16}$ - $2.80\frac{5}{16}$								
	New York Dollars to £ 2.78-2.82								
	Oslo Kronor to £ 19.85-20.15								
	Paris Francs to £ 972.6-987.3								
	Stockholm Kronor to £ 14.37 \{ -14.59 \}								
	Singapore Shillings to \$ $2/4\frac{1}{32} - 2/4\frac{5}{32}$								
	Zurich Francs to £ $12.15\frac{3}{16}-12.33\frac{9}{16}$								
•1	Free market rates; remainder Bank of England.								
I	sank rate increased to 44 per cent, on								
	February 24, 1955.								

Pharmaceutical Chemicals

ACETIC ANHYDRIDE. — Rates (per ton) delivered in U.K. in returnable drums range from £121 for 10 tons to £126 for ingle 90-gall. drum lots.

AMIDOPYRIN. — Minimum price (5-cwt. ots) is 22s. 8\frac{1}{2}d. per lb., with usual differntial for smaller lots.

AMMONIUM CHLORIDE, B.P. — Makers

BENTONITE.—Offers of B.P. material are bout £70 per ton as to quantity.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

	l-cwt.	28-lb.	7-lb.		
	s. d.	s. d.	s. d.		
CARBONATE SALICYLATE	 23 5	23 8 22 9	27 6		
SUEGALLATE	 21 8	21 11	25 5		
SULNITRATE	 20 11	21 2	24 7		

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates. The present 1-cwt. rates for other salts are:—CITRATE, B.P.C., 22s. 8d.; NITRATE, Crystal, 14s. 8d. OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d. and TRIBROMPHENATE, B.P.C., 26s. 9d.

BRUCINE.—ALKALOID is from 1s. 2d. to 1s. 6d. per oz. and NITRATE and SULPHATE from 1s. 1d. to 1s. 5d. per oz. (100-oz. and 25-oz. respectively).

CALCIUM CARBONATE. — B.P. light-precipitated powder is £27 10s, per ton, ex store. Minimum 1-ton lots.

CARBROMAL. — B.P.C. is 21s. per lb. delivered in returnable packing.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 3s. 10d, per lb. as to holder. CHLOROCRESOL.—Pharmaceutical quality is quoted at 6s. 7d. per lb. for 1-cwt. lots.

CHLOROXYLENOL.—B.P. quality is 5s. 9d. per lb. for 1-cwt. lots, and 5s. 7d. for 10-cwt.

CINCHOPHEN.—1-cwt. lots are quoted at 21s. per lb.

CITRIC ACID.—Quotations (per cwt.) for domestic material are 205s, for 1-4 cwt. lots and 200s, for 5-cwt. lots.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall, in 5-gall, lots.

GLYCERIN.—Rates for pharmaceutically pure are given in the following table:—

Annual purchases or spot lots of	Under 1-cwt.		1-cr an unc 5-cr	d ler	5-cwt, and under 1 ton		1 ton and under 5 tons		5 tons and under 25 tons	
Per cwt.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
TINS										
14-lb.	288	6	284	0	280	0	275	6	273	0
28-lb.	286	6	282	0	278	0	273		271	0
56-lb.	282	6	278	0	274	0	269	6		0
DRUMS									252	0
1-cwt.	-	_	262	0	258	0	253	6	-	
2½-cwt.	-	_ '	259	0	255	6	251	C	249	6
5-cwt.	-		_		255	0	250	6	249	()
10-cwt.	-		_		254	0	250	0	248	6

For 25 tons and upwards the price is from 247s, 6d, to 273s, as to containers. Bulk deliveries in tank wagons from 245s, to 246s. Pale straw industrial glycerin, s.g. 1·260, is 5s. per cwt. less than the above.

1SOPRENALINE SULPHATE.—B.P. is 1s. per gm. for 1,000-gm. lots and 1s. 6d. per gm. for 100-gm. lots.

MAGNESIUM HYDROXIDE.—Makers' prices for B.P.C. are, 1-cwt. lots, 3s. 5d. per lb. and 1-ton, 3s. 2d. per lb.

Magnesium Peroxide,—Price (per lb.) for 1-cwt. lots of B.P.C. (15 per cent.) is 3s. 11d.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.; 28-lb., 25s. 6d.; 14-lb., 27s.; 7-lb., 28s.

Nikethamide. — Prices per kilo are: — 1 kilo, 113s.; 50 kilos, 105s.

OXALIC ACID.—Manufacturers' rates for 1-ton lots are from £129 per ton, delivered.

PHENOLPHTHALEIN.—Rate for 1-cwt. lots is 11s. per lb.

PHOSPHORIC ACID. — B.P. (s.g. 1·750) is quoted at 1s. 4d, per lb. in 10-carboy lots. 1-2 carboys, 1s. 8d. per lb. B.P. 1914 is quoted from 1s. 2d. to 1s. 6d. per lb. Hypophosphorous, B.P.C., in winchesters is from 5s. 9d. to 6s. 10½d. per lb., as to quantity.

QUINIDINE.—Prices (per oz.) for minimum 100-oz. lots in the home market are: ALKALOID, 8s. 9d.; SULPHATE, 6s. 7d. Extra charges for small lots.

Extra charges for small lots.

QUININE.—Makers' rates (per oz.) for 100-oz. lots and over are as follows:—
ALKALOID, 3s. 10d.; ACETYLSALICYLATE, 5s. 4d.; BISULPHITE and SULPHATE B.P. 1932, 2s. 8d., SULPHATE, B.P. 1948, 3s.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 3s. 10d.; FORMATE, 4s. 8d.; GLYCERO-PHOSPHATE, 4s. 5d.; PHOSPHATE, 4s. 4d.; HYDROBROMIDE and HYDROCHLORIDE, 3s. 5d.; SALICYLATE, 3s. 11d.; QUININE and UREA HYDROCHLORIDE, B.P.C., 4s.; TANNATE, 2s. 7d.

SODIUM SALICYLATE.—Rates are now:—
1-ton lots in bulk, 3s. 7d. per lb.; 5-cwt.,
3s. 7½d.; 1-cwt., 3s. 8d. Smaller lots at
from 4s. 3d. to 5s. 0½d. as to quantity and
packing.

SODIUM SULPHITE.—1-ton lots on the spot of ANHYDROUS (48–50 per cent.) are £66 10s, per ton in 1-cwt, drums or £62 5s. in 1-cwt, bags; CRYSTALS, B.P.C., are £31 15s. per ton in 2-cwt, paper-lined bags. Commercial crystals are from £25 5s. to £27 as to packing.

STILBOESTROL. — 1-kilo lots of B.P. are quoted at $10\frac{1}{2}d$. per gm. The DIPROPIONATE is 1s, $0\frac{1}{2}d$.

STRYCHNINE. — Minimum rates per oz. (1,000-oz. lots) include :— ALKALOID, 5s. 7½d.; HYDROCCHLORIDE, 4s. 6½d.; SULPHATE, 4s. 8½d.

SULPHUR. — B.P. PRECIPITATED is £111 per ton, or £116 per ton for 1-cwt. lots, ex works.

Theophylline.—1-cwt, lots of alkaloid are quoted at 18s, 6d, per lb, and aminophylline at 22s. 6d,

THYMOL. — Prices (per lb.) are 17s, 9d. for 28-lb. and 17s, 3d, for 1-cwt, lots.

ZINC OXIDE.—Lower. Rates for B.P. quality are now: 2-ton lots, £136 per ton; 1-ton. £137; 5-cwt., £139; under 5-cwt., £142 delivered.

Crude Drugs

ACONITE. — Spot supplies of Spanish napellus are 4s. per lb., duty paid.

ALOES. — Prime Cape on the spot is 325s. per cwt. and for shipment (if available) 320s., c.i.f. Curação for shipment, 325s., c.i.f.

ANISEED (STAR). — Chinese is offered at 142s. 6d. per cwt., duty paid and 130s., c.i.f., for shipment.

Antimony. — English 99.6 per cent. is £222 10s.; 99 per cent., £210 per ton.

ASAFŒTIDA.—Persian block is from £10 to £14 per cwt., duty paid, as to quality.

BALSAMS.—Quotations (per lb.) are:— Canada: Spot offers are 21s. Copaiba, soluble, 8s., duty paid. Peru, 10s., duty paid and for shipment at 8s. 9d., c.i.f. Tolu (genuine as imported) is 26s. 6d.; B.P. is 17s. 6d., spot.

BUCHU. — Rounds are unobtainable. No offers of new-crop for shipment yet. CARDAMOMS. — Aleppy greens are easier on the spot at 14s. 6d. per lb.; prompt shipment, 12s. 3d., c.i.f.

CASCARILLA. — Quills are 2s. 3d. per lb. and siftings, 1s. 2d., both on the spot, gross for net.

CHILLIES. — Mombasa spot supplies offered at 375s. per cwt. Sierra Leone are 290s., Mombasa for shipment, 340s., c.i.f.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOO, 5s. $10\frac{1}{2}$ d.; OO, 5s. 9d.; O, 5s. $7\frac{1}{2}$ d.; firsts, 4s. 7d.; quillings, 2s. 8d.; chips, $8\frac{1}{2}$ d. to $9\frac{1}{2}$ d.

DUBOISIA.—Old-crop leaves of *Duboisia* myoporoides are offered at 4s. per lb., c.i.f.

ERGOT. — Portuguese on the spot is 10s. 3d. per lb.; forward, 9s. 6d., c.i.f.; Polish is 7s.; Hungarian, 12s., and American, 10s., all on the spot.

GENTIAN. — Firm. French natural root on the spot is 130s, per cwt. with shipment at 125s., c.i.f.

GINGER. — African is offered on the spot at 240s, per cwt. with sellers for shipment at 220s. c.i.f., for old crop. Spot Jamaican is 500s. New-crop, February-March shipment, 375s., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts on the spot are 137s. 6d. per cwt. and prompt shipment, 127s. 6d., c.i.f.

HENNA.—Whole leaf: Indian is 85s. per cwt. for the brown; Egyptian, 100s.

Honey. — Australian light-amber is offered on the spot at from 132s, to 142s, per cwt.; medium-amber is difficult to find; Argentine, 140s.; Jamaican, 145s.; new-crop expected to be shipped in February.

HYDRASTIS. — Root is from 18s. per lb., on the spot.

IPECACUANHA. — Nicaraguan is offered for shipment at about 60s, per lb., c.i.f., February delivery; Colombian at 51s., c.i.f. Spot Colombian is 56s.; Nicaraguan, 66s. 6d.; Matto Grosso, 57s. 6d.

Karaya. — No. 1 gum on the spot is quoted at 310s. per cwt., and No. 2 at 265s.

KOLA NUTS. — Jamaican are offered at about 8d. per lb., spot.

LANOLIN. — In 1-ton lots the price of ANHYDROUS, B.P., is from 160s. to 165s. per cwt.; 5-cwt. lots from 162s, to 167s, per cwt. HYDROUS, 'B.P., is from 140s. to 142s. for similar quantities. All in drums, carriage paid, U.K.

Liquorice. — Quotations (per cwt.) for natural root are: Anatolian, 65s.; Russian, 47s. 6d.; Persian, 35s. Block juice is 220s. per cwt. for the Anatolian and 195s. for Chinese on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

LYCOPODIUM, — Supplies of Russian triple-sifted on the spot are quoted at 7s, 3d, per lb, in bond and 8s, duty paid.

MALE FERN. — A parcel of Bulgarian is offered on the spot at 40s. per cwt., duty paid.

MENTHOL. — Chinese is 46s. 6d. per lb., duty paid, and 46s., c.i.f., as to position. Brazilian is 45s., duty paid; January-February shipment, 42s. 6d., c.i.f.

MYRRH. — Aden selected sorts are cleared on the spot.

NUTMEGS. — West Indian for shipment official prices 3s. 3d. per lb. for wormy and broken; 4s. 7d. for sound unassorted, f.o.b. terms.

Orange Peel. — Spanish bitter quarters are 1s. 3d. per lb.

PAPAIN. — Spot value for East African grade one is from 17s, to 17s, 6d, per lb. Ceylon brown is 14s, per lb., c.i.f. and spot.

PEPPER. — Small business passing, White Sarawak on spot is 2s, 11½d, per lb, and for January-February shipment, 2s, 9½d., c.i.f. Black Sarawak is 2s, 1½d, per lb, spot and January-February shipment, 2s, 0½d., c.i.f. Black Malabar is 320s., per cwt., spot and February-March shipment, 260s., c.i.f.

PSYLLIUM.—Indian seeds are quoted at 1s. 1d. to 1s. 2d. per lb. on the spot.

QUILLAIA. — Spot offers of bark are about 225s. per cwt. with shipment from 195s., c.i.f.

RAUWOLFIA.—Serpentina is 6s. per lb. on the spot and 3s. 9d., c.i.f. Canescens is 1s. 6d. per lb., spot.

RHUBARB. — Quotations are from 7s. 6d. to 9s. 6d. per lb. as to quality.

Sassafras. — Selected bark is quoted at 5s, per lb.

SEEDS. — (Per cwt.). Anise.—Tunisian is 250s., duty paid; Spanish, 270s., duty paid. Caraway. — Dutch quoted at 150s., duty paid. Celery. — Indian offering at 135s. spot London. Coriander. — Unchanged. Moroccan on spot are nominal at 95s., duty paid. Danubian or Rumanian, 65s., duty paid. Moroccan for shipment quoted at 68s. 6d., c.i.f. Cumin. —Quiet. Spot, Cyprian 132s. 6d.; Moroccan, 135s., duty paid; Iran, 130s., duty paid. Dill. — Indian in poor demand at 65s., spot. Fennel. — Unchanged. Indian is 87s. 6d. and Chinese, 85s., in bond. Fenugreek. — Firm. Moroccan or Indian on spot quoted at 75s. Mustard. — English, 60s. to 80s., according to quality.

SENEGA. — Spot is 21s. per lb. Shipment from 20s., c.i.f.

Senna. — Tinnevelly Leaves (per 1b.). New wet-crop Prime No. 1, 1s. $1\frac{1}{2}$ d., and No. 2, 11d.; prime No. 3, 8d.; f.a.q., No. 3, 7d., spot; Pods, f.a.q., 6d., c.i.f. Alexandrian manufacturing pods, 1s. to 1s. 3d., spot; hand-picked are from 4s. 6d. to 6s. 6d. per 1b. as to quality.

SERPENTARIA. — Offers for shipment are quoted at 40s. per lb., landed terms.

SHELLAC. — F.O.T.N. is 360s. per cwt.; F.O. No. 1, 380s.; fine orange, 395s. to 455s.

SLIPPERY ELM. — Grinding quality bark is 2s. 7d. per lb., landed.

is 2s. 7d. per lb., landed.

SQUILL.—White is offered on the spot at 65s. to 70s. per cwt.

STRAMONIUM. — Indian LEAVES are 75s. per cwt. and European 80s. on the spot.

per cwt. and European 80s. on the spot. STYRAX.—Spot is 5s. 8d. per 1b., duty paid.

Tragacanth.—No. 1 ribbon is £175 to £180 per cwt.; No. 2, £135 to £140.

TURMERIC.—Madras finger on the spot is unchanged at 160s, per cwt. New crop for April-May shipment is quoted at 100s., c.i.f.

VALERIAN ROOT. — A parcel of Belgian is quoted at 175s, per cwt.

Vanillin. — Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

WITCH HAZEL LEAVES. — Offers are 1s, 11d. to 2s, per lb. on the spot.

Essential and Expressed Oils

Anise. — Chinese is unchanged at 17s. 7½d. per lb. on the spot and 16s. 10½d., c.i.f.

BAY.—West Indian is 12s. per lb. on the spot.

Bergamot. — Spot quotations are now 67s. 6d. per lb.

Bois DE ROSE. — Brazilian is 33s. per lb. on the spot and 29s. 6d., c.i.f.

CAUPUT. — Spot supplies are 14s. 6d. per lb. for 1-cwt. lots.

CANANGA.—Spot is from 55s. to 59s.

CARAWAY.—English-distilled is offered at 55s. and imported at 31s. 6d. per lb.,

duty paid.

CASSIA.—Original drums are about 14s.

per lb. on the spot. Shipment, 13s. 6d., c.i.f.

CEDARWOOD. — 1-cwt. lots of American are 6s. 6d. per lb.

CHAMOMILE. — English oil is offered at from 240s, to 256s. per lb.

CINNAMON. — From quillings, English distilled is quoted at 30s. per oz. Other B.P. oils available down to 90s. per lb. Ceylon leaf, 13s. 6d. per lb., spot.

CITRONELLA. — Ceylon is easier at 6s. 2d. per lb. on the spot and shipment at 5s. 8d., c.i.f.; Formosan spot is 15s., in bond, with forward at 14s. 6d., c.i.f. Java type is not quoted.

CLOVE.—Madagascar leaf is lower at 9s, per lb., duty paid and 7s. 9d., c.i.f., for shipment. Rectified 87–88 per cent., 14s.; distilled bud oil, English, from 35s.; imported, 17s. 6d.

CORIANDER. — Russian-seed oil is quoted from 85s, to 95s, per lb.

Cubeb. — Spot price for small lots is 50s. per lb.

CUMIN. — Quotations for English-distilled oil are about 110s. per 1b. and imported, 57s. 6d.

EUCALYPTUS.—Australian 70 to 75 per cent. eucalyptol on the spot is 5s. 8d. per lb.; 80 to 85 per cent., 6s. 4d. Spanish 70 to 75 per cent. firm at 5s. 6d., duty paid. Chinese type, 5s., duty paid.

Grapefruit.—Australian cold pressed is 16s. per lb., spot; Californian, 14s., c.i.f., subject to licence.

HYDNOCARPUS.—Spot is about 2s. 2d. per lb.

JUNIPER BERRY. — Imported oils are quoted from 15s. 6d. per lb., duty paid. English-distilled is now 155s.

English-distilled is now 155s.

LAVANDIN. — Spot is from 12s. to 15s. per lb. as to quality, for original drums.

LAVENDER. — Quiet. 38-40 per cent linalol on the spot ranges from 30s. to 50s. per lb., in 5-cwt. lots, with best grades of 40-42 upwards of 72s.

LAVENDER SPIKE,—Spanish is offered a 13s, 6d, per lb. on the spot and 14s, for shipment.

Lemongrass. — Quiet. Spot is 13s. 6d per 1b., and 12s. 10½d., c.i.f.

NUTMEG. — English-distilled oil is 50s per lb. and imported available at 32s, 6d on the spot.

ORANGE. — Spot quotations include Florida at 4s. 6d. per lb.; Californiar 5s. 9d.; Jamaican, 7s. 6d. and West Afr can, 12s. 6d. For shipment, proprietar brand Californian sweet is 6s. 1½d., c.i.f and cold-pressed, U.S.P., 9s. 4d., c.i.f subject to licence. Terpeneless is 210s. pe lb., spot. Bitter orange oil is 20s. pe lb.

Origanum. — Sellers of 75 per cen phenols at 13s. 6d. per lb.

OTTO OF ROSE. — Anatolian is 177s. 6

PIMENTO. — English-distilled berry 180s. per lb.; imported is scarce. Rectific leaf (imported), 27s. 6d. per lb.

ROSEMARY. — Spanish oil on the sp is from 5s. 1d. to 5s. 7d. per lb., du paid, for drum lots, as to quality.

RUE.—Spot offers are from 14s. per l SAGE. — Spanish is offered at fro 7s. 9d. per lb.

SANDALWOOD. — Mysore is 100s, per on the spot.

UNITED STATES REPORT

New York, January 17: Heliote Pine at \$3.80 per lb. was down cents; Eugenol at \$2.25 was down cents; and Safrol at \$1.10, down cents. Among Essential Of Ginger at \$17.85 per lb., was up cents. Artificial Sassafras at 6 ce was down two cents, and Sandalwo at \$16.50 was down 25 cents. Bulgar Rose was down to \$41.00 per our (off \$2). Crude Drugs were unchang on the week.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," January 4

For perfumes, non-saponaceous toilet preparations (not medicated), cosmetic preparations, den-tifrices, depilatory preparations, toilet articles, but not including toilet preparations for the hair (3)

THISTLEDOWN, 745,841, by Tokalon, Ltd., Reading, Berks,

For non-saponaceous detergents (not industrial) (3) SUMA, 746,156, by Joseph Crosfield & Sons, Ltd., Warrington, Lancs.

For cleaning preparations (3)

FLING, 746,731, by Fortune (Piccadilly), Ltd., London, S.W.1. KOLENE, 746,268, by Kolene Corp., Detroit, U.S.A.

For wax floor polishes (3)

TOWER OF LONDON. 746,852, by Clarke's Businesses (1955), Ltd., London, S.W.12.

For pharmaceutical products, but not including medicated confectionery (5)

Device with the wording MEDA REMEDIES, 732,019, by V.B. & G. Products, Leicester.

For pharmaceutical preparations (5)

DAYALETS, 742,964, CONVALETS, 742,966, by Abbott Laboratories, North Chicago, U.S.A. For pharmaceutical substances in the form of liquids, powders or crystals (5)

TALFAR, 743,009, by Th. Muhlethaler S.A., Nyon, Switzerland.

Far deodorants (not for personal use), sanitary substances, and moth and insect repelling and destroying preparations (5)

ROTOZONE, ROTOZENE, 743,383-84, ROTO. 743,387, by W. & F. Walker, Ltd., Kirkby, nr. Liverpool.

For all goods (5)

HALNAS, 743,408, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.I. CRE-MISTAN, 746,340, by Allen & Hanburys, Ltd., London, E.2. TRANSITHAL, 747,265, by May & Baker, Ltd., Dagenham, Essex, CODYLON, 747,285, DIGANON, 747,287, DURAVITA, 747,288, SABUNIT, 747,292, 747,293, TELGAL, 747,294, by C. H. Boehringer Sohn, Ingelheim, Germany.

Far pharmaceutical preparations and substances

PENULES, 747,177, by Boots Pure Drug Co., Ltd., Nottingham, PREDNISYL, 747,503, by Les Laboratoires Français de Chimiotherapie S.A., Paris, France.

Far safety razors and blades (8)

Device, 739,651, by Legion Extranpera, Fabrica de Hojas de Afeitar, Industrial y Comercial, S.A., Buenos Aires, Argentine,

Far electric dry shavers and parts (8)

LADY SUNBEAM, 746,965, by Sunbeam Corp., Chicago, U.S.A.

For electrically-heated blankets (10)

WARM-GLOW, 724,956, by the Warm-Glow Co., Ltd., Southend-on-Sea, Essex.

For industrial chemical installations and parts (11) FIBRESIN, 746,701, by Hathernware, Ltd., Hathern, Leics.

From the "Trade Marks Journal," January 11

Far chemical products for use as wetting agents in the textile industry (1)

CONDID, 743,675, by Alphonse De-Fraiteur, Verviers, Belgium.

For synthetic resin plastics in the form of pow-

ders, pastes, liquids, dispersions and granulates far industrial use (1) PERMAFIBER, 744,373, by Permali, Ltd.,

Gloucester.

For preparations containing chlorine compounds far use in agriculture, horticulture and forestry

CHLOREA, 744,621, by Chipman Chemical Co., Ltd., London, S.W.1.

For all goods (1)

ALAMASK, 745,333, by May & Baker, Ltd., Dagenham, Essex,

or photographic developers (1)

AUTOPHEN, 747,545, by Ilford, Ltd., Ilford, Essex.

For non-medicated toilet preparations (3) or non-nedicated toilet preparations (3)
GENTLEMEN'S RELISH, 742,960, by Lentheric, Ltd., London, W.1. SUNBOW, 743,284, by Stephens Bros, & Banner, Ltd., London, W.13. Device with the wording POND'S FRESHENER PADS, 746,372, by Pond's Extract Co., Ltd., Greenford, Middlesex.

For all goods (3)

SIRFIX, 746,470, by R. J. Reuter Co., Ltd., London, W.I.

For nail polishes and lipsticks (3)

GAY MOMENT, 746,608, by Peggy Sage, Ltd., London, S.E.1.

For perfumes, eau de Cologne, and toilet water

JEAN D'ALBRET ECUSSION, B747,070, by Jean D'Albret, Paris, France.

For preparations containing chlorine compounds for killing weeds (5)

CHLOREA, 744,622, by Chipman Chemical Co., Ltd., London, S.W.1.

For pharmaceutical preparations and substances (5)

MAXAMETTES, 745,933, by Anglo-Pharmaceuticals, Ltd., London, W.C.1. Anglo-French

For anthelmintic preparations (5) CRYSTOIDS, 745,970, by Sharp & Dohme.

Ltd., Hoddesdon, Herts.

For pharmaceutical preparations of liver for human use (5)

HEPOL, 746,512, by Allen & Hanburys, Ltd., London, E.2.

For cinematographic films prepared for exhibition; printed photographic films; frames for viewing transparencies (9)

GLOBE-TROTTER, 745,428, by Coronet, Ltd., Birmingham, 19.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion

Monday, January 23

PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m, Evening meeting. Mr. G. R. A. Short on "Essential Oils and their Pharmaceutical Applications,"

LONDON SECTION, ROYAL INSTITUTE OF CHEMISTRY. Enfield Technical College, Queensway, Ponders End, at 7 p.m. Film display.

PLYMDUTH BRANCH, PHARMACEUTICAL SDCIETY, lecture theatre, New Buildings, Plymouth technical college, at 7.30 p.m. Dr. F. Macdonald (Parke, Davis & Co., Ltd.) on "History of Pharmacy.'

Tuesday, January 24

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome club, High Street, Dartford, at 7.30 p.m. Pfizer film show.

EDINBURGH AND SOUTH-EASTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.45 p.m., Mr. C. W. Maplethorpe (chairman, Education Committee, Pharmaceutical Society) on "Pharmaceutical Education."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Oak hall, Baptist Church, College Road, Harrow, at 7.45 p.m. Mr. E. A. Brocklehurst on "Controversy in Pharmacy."

Manchester Branch, Guild of Public Pharmacists, clinical lecture theatre, Manchester Royal Infirmary, at 6 p.m. Mr. W. E. Phillipson on ' Photography."

MIDLANDS SECTION, SOCIETY FOR ANALYTICAL CHEMISTRY, Regent House, Birmingham, at 7 p.m. Annual meeting.

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, minor hall, City Council chambers, Southsea, at 7.30 p.m. Professor Ian Aird, on "Recent Advances in Cancer Treatment."

Wednesday, January 25

BRISTOL BRANCH, PHARMACEUTICAL SOCIETY, Berkeley hotel, Queen's Road, Bristol, at 7 p.m. Annual dinner and dance.

CAMBRIDGE AND HUNTINGDON BRANCH, PHARMA-CEUTICAL SOCIETY, Matthew's café, 14 Trinity Street, Cambridge, at 8 p.m. Mr. G. H. M. Graham (chairman, Central N.H.S. (Chemist Contractors) Committee) on "Current N.H.S. Matters," and film showing the work of the pricing bureaux.

FOOD GROUP, SOCIETY OF CHEMICAL INDUSTRY. Burlington House, Piccadilly, London, W.1, at 6,30 p.m. Miss D. N. Hollingsworth on "Nutritional Requirements and Food Fortification—3, Iron and Calcium."

ROMFDRD BRANCH, PHARMACEUTICAL SOCIETY, Robin Hood hotel, Dagenham, at 6.45 p.m., Annual dinner and dance, Ticket, 25s., from Mr. W. J. Wright, 77 Bridge Avenue, Upminster.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 2.30 p.m. Fern-hurst lecture: Professor V. B. Wigglesworth (Quick professor of biology, Cambridge University) on "Insect Physiology in Relation to Insecticides."

Thursday, January 26

LIVERPOOL CHEMISTS' ASSOCIATION and BRAN H, Exchange hotel, at 7.30 p.m. Manufacturers' and wholesalers' forum

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Café Royal, Regent Street, London, W.1, at 6.15 p.m. Annual dinner and dance.

SOUTH-EAST LDNDON CHEMISTS' ASSOLIATION, Pyne's restaurant, Lewisham Way, at 6.30 p.m. Annual dinner and dance.

SOUTHEND-ON-SEA OUTHEND-ON-SEA BRANCH, PHARMACEUTICAL SOCIETY, Imperial hotel, Westcliff-on-Sea, at 7.45 p.m. Dr. J. M. Rowson (curator of the Society's museum) on the work of the museum (illustrated talk).

WESTERN SECTION, SOCIETY FOR ANALYTICAL CHEMISTRY and BRISTOL SECTIONS, ROYAL IN-STITUTE OF CHEMISTRY, SOCIETY OF CHEMICAL INDUSTRY, and the CHEMICAL SOCIETY, Bristol University, Woodlands Road, Bristol, 8, at 7 p.m., Messrs, R. L. Smith and P. Womersley on "Industrial Application of Sequestering

Friday, January 27

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOLITION, Prenton hotel, at 8 p.m. Dr. H. Noel Bleasdale on "T.B. at the Cross Roads."

BIRMINGHAM SECTION, CHEMICAL SOCIETY, chemistry department, Birmingham University, at 4.30 p.m. Professor R. L. Wain on "Some Chemical Aspects of Plant Growth Regulation."

CROYDON PHARMACISTS' ASSOCIATION and BRANCH, ROYDON PHARMACISIS ASSOCIATION and BROWN, and PHOTOGRAPHIC DEALERS' ASSOCIATION, Greyhound hotel, High Street, Croydon, at 8 p.m. Mr. A. Aldington, M.P.S. (president, P.D.A.), on "Colour Photography for the Chemist-Dealer."

EAST KENT BRANCH, PHARMACEUTICAL SOCIETY, Chez Laurie, Thanet Way, Herne Bay, at 7.15 p.m. Annual dinner and dance,

FOOD GROUP, SDCIETY OF CHEMICAL INDUSTRY, May Fair hotel, Berkeley Street, London, W.l, at 6,30 p.m. Dinner and dance,

MICROCHEMISTRY GROUP, SOCIETY FOR ANALYTICAL CHEMISTRY, Chemical Society's meeting room, Burlington House, London, W.1, at 6.45 p.m. Annual meeting.

NEWCASTLE AND DURHAM SECTION, CHEMICAL SOCIETY, chemistry building, King's College, Newcastle-on-Tync, at 5.30 p.m. Bedson Club lecture: Dr. F. Sanger on "The Chemistry of Insulin."

SCIENTIFIC FILMS ASSOCIATION, 16 Prince's Gate, CIENTIFIC FILMS ASSOCIATION, to London, S.W.7, at 7 p.m. Mr. Dennis Segaller (Shell Film Unit) on "The Production of Technical Documentary Films.'

Saturday, January 28

NORTH OF ENGLAND SECTION, SOCIETY FOR ANALY-TICAL CHEMISTRY, Engineers' Club, Manchester, at 2.15 p.m. Annual meeting.

PRINT AND PUBLICITY

Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists, BRITISH Schering, Ltd., 229 Kensington High Street, London, W.8: "Oblivon Dosage," "Oblivon Does Not Diminish the Cough Reflex" (4-p, folders); "Oblivon for the Nervous Patient," "Albucid Nasal Spray for the Common Cold," "Neo-Mercazole for Thyrotoxicosis" (postcards).

CARLTON LABORATORIES (SOUTHERN), LTD:, 46
Preston Street, Brighton, Sussex: "Feravol— Preston Street, Brighton, Sussex: "Fe Iron and Vitamin Therapy" (folder).

CIBA LABORATORIES, LTD., Horsham, Sussex: "Sex Hormone Therapy," "Ritalin Anti-Depressive and Central Stimulant" (16-p. and 8-p, book-lets); "Serpasil—Summary of Information" (4-p, folder),

THE DISTILLERS CO. (BIOCHEMICALS), LTD., Fleming Road, Speke, Liverpool, 19: "Introducing Distaquaine V Oral Penicillin" (6-p. folder); "Distaquaine V—Medical Notes" Nos. 1 and 2 (4-p. folders); "Distivit B₁₂ in Trigeminal Neuralgia " (4-p. folder).

HARKER STAGG, LTD., Emmott Street, London, E.1: "Clevae for the Control of Colostomies anl Ileostomies."

LEDERLE LABORATORIES DIVISION CYANAMID PRO-DUCTS, LTD., Bush House, London, W.C.2:
"The Immediate Appeal of Achromycin
Syrup" (4-p. folder).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER). LTD., Dagenham, Essex: "Largactil in Nausea and Vomiting " (6-p, folder); "A New Presentation of Largactil" (blotter).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Ro-a-vit drops," "Mestenon" (folders); "Ro-a-vit Vitamin A" (blotter).

Advertising Campaigns

ANGIER CHEMICAL Co., LTD., 86 Clerkenwell Road, London, E.C.1: Supavite, 1n national, Sunday and provincial newspapers, periodicals, and medical Press.

BEECHAM PHARMACEUTICALS, LTD., St. Helens, Lancs: Beecham's powders, in national and provincial newspapers, magazines, radio, films.

COOPER, McDOUGALL & ROBERTSON, LTD., Berk-hamsted, Herts: Cooper's household aerosol, In Radio Times, John Bull, Picture Post, Illustrated, Reader's Digest, Punch, and women's magazines



Connter display stand for Lemskin hand jelly now being sent to stockists by E. Griffiths Hnghes, Ltd., who recently took over all manufacturing rights in the product. The stand, which is printed in four colours, stands 9 in, high and includes the redesigned pack.

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.1; Valderma, In national daily and Sunday newspapers and women's periodicals.

HANOVIA LAMPS, Bath Road, Slough, Bucks: Hanovia sun-lamps. In national Press and on Radio Luxembourg.

PHILIPS ELECTRICAL, LTD., Century House, Shaftesbury Avenue, London, W.C.1: Phili-shave dry shaver, In national and provincial Press, magazines, on radio and posters.

WHITE LABORATORIES, LTD., 428 Southcroft Road, London, S.W.16: Feen-a-mint, In national newspapers and magazines, and on Radio Luxembourg.

Commercial Television

THE following products are being advertised on commercial television (London station) on the days stated:-

SUNDAY, January 22: Zubes cough lozenges; Loxene medicated shampoo; Kleenex tissue handkerchiefs (between 3 and 3.30 p.m.); Anadin; Yeast-Vite.

MONDAY, January 23: Carter's little liver pills (between 8 and 10 p.m.),

TUESDAY, January 24: Philishave dry shaver (between 8 and 10 p.m.); Beecham's powders; Brylcreem (between 7,55 and 10,5 p.m.).

THURSDAY, January 26: Lux toilet soan

FRIDAY, January 27: Beecham's pills (between 10 and 11 p.m.); Kleenex tissue handkerchiefs (between 8 and 10 p.m.); Anadin,

SATURDAY, January 28: Lloyd's adrenaline cream (between 2 and 6 p.m.); Anadin; Silvikrin shampoo (between 3 and 3.30 p.m., and "time spot"); Knight's Castile soap (between 7.30 and 8 p.m.); Alka-Seltzer (between 10 and 10.30 p.m.),

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *=Tax 30 per cent.; ‡=Tax 60 per cent.;

†Tax 90 per cent.									
BOOTS PURE DRUG CO.,	LTD, (fro	om Ja	anua	ary	5-c.c. ampoules 1 per cent.	17	0	R	
•	Each	1.R.	Ρ.		syrup 4 fl. oz.	9	6	R	
Methyl-testosterone tablets B.P. 5 mgm. 25	4 10	6	5	R	40 fl. oz. The price of Largactil suppositories is u		0 nge		
100	14 10	19	9	R				_	
Testosterone propionate	28 0	37	4	R	SHADEINE CO., LTD. Shadeine† 21 0	3 1		A	
injection, B.P., 1-c.c		_			golden† 21 0	3 1	11	Α	
ampoules 5 mgm 6	4 0 47 0	5 62	4 8	R R	36 0	6	81	A	
10 mgm, 6	5 10	7	9	R	SOLPORT BROS., LTD.				
100	76 8	102	2	R	Portia baby balance* 46 0	7	0	A	
25 mgm. 3	5 6 146 8	7 195	4	R R	The price of the hammock is unchang	ed.			
EVANS MEDICAL SUPPLI			·	^	P.A.T.A. PROTECTED LI	ST			
Doz. (Alterations notified this week by the Proprietar									
Gladys Cooper complex- ion soap*	7 9	1	1	A	Articles Trade Association.)				
ton boup	13 0	î	9	A	ADDITION TO PROTECTED L INTERNATIONAL CHEMICAL CO.,	LTI).		
Midgley's supercream soap*	4 9		8	A	Biladin tablets* 12 9	1	9		
Medisoaps* basic	13 6	2	0	A	POST-BUDGET PRICES				
hexachlorophene	12 6		10%	A	JOHN PEPPER & CO., LTD.				
lanolin 2½ per cent. lanolin and ichthammol	13 6 13 6	2	0	A	Bunters Nervine* 12 6	1	9	A	
naphthol and sulphur	15 9	2		A	Kayes Worsdells pills* 30 0	4		A	
resorcin, salicylic acid,					Rayes Worsdens pins 12 0	4		Â	
sulphur sulphur 10 per cent,	15 9 13 6	2	31	A	45 0	6	0	A	
sulphur, camphor, bal-	15 0	-	v		Keenes corn and cold cures* 12 6	1	9	A	
sam Peru	15 9	2	31	A		•		•	
sulphur and salicylic acid	13 6	2	0	A	RIDDELL PRODUCTS, LTD. Riddovydrin tablets* 20 36 0	4			
KIMBERLY-CLARK, LTD.		- Pebrua	•	n D	Riddovydrin tablets* 20 36 0 100 135 0	18	11		
Kotex sanitary towels 5	9 0	1	ő	Á	suppositories* 12 67 6	9	2		
12	18 3	2	0	A	50 261 0	35	6		
KODAK, LTD.					causules* 20 45 0 100 202 6	6 27	7		
Kodak raw chemicals potassium metabisulphite					ointment* 5 gm. 18 0	2	0	К	
4 oz,		2	9	A	. 10 gm, 29 2	3	3		
selenium powder 1 oz, sodium sulphide crystals		7	6	A	NEW PRODUCTS AND PA	CK	c	ı	
1 oz.		2	0	\boldsymbol{A}	BOOTS PURE DRUG CO., LTD.	CIL		ı	
V adak masanta davalanat		30	6	A	Each			ı	
Kodak magenta developer Kodak d and p, wallets		30	U	А	Neomyc'n ointment, 30 gm. 5 3	7	9	ı	
Kodak d, and p, wallets $3\frac{3}{4} \times 5$ in, per 1,000 $4\frac{1}{4} \times 6\frac{1}{4}$ in, per 1,000		26	0	\boldsymbol{A}	eye ointment 4 gm, 1 8 Eptoin phenytoin sodium	2	U	ı	
$4\frac{1}{4}$ x $6\frac{1}{4}$ in, per 1,000 Imprinting charges per 1,000)·	41	0	A	tablets gr. \(\frac{3}{4}\) 100 1 7	2	4	ı	
1,000	,.	9	0	A	1,000 12 0	18	0	И	
2,000		7	0	A	ERGON ELECTRICAL MANUFAC	TUR	IN	G	
3,000 4,000		5 4	6	A A	CO., LTD.			И	
5,000 and over		4	0	A	Ergon junior infra-red lamp	77	6	ı	
Jay-Nay printing frames		5	3	A	J. & E. ATKINSON, LTD.	_		ı	
with glass $2\frac{1}{2} \times 3\frac{1}{2}$ in. $2\frac{1}{4} \times 4\frac{1}{2}$ in.		6	6	A	Ribbon-twist lipstick†	9	6	ı	
3½ x 4⅓ in.		7	3	\boldsymbol{A}	refill†	•	U	ı	
$3\frac{1}{2} \times 5\frac{1}{2} \text{ in.}$ $4\frac{1}{4} \times 6\frac{1}{2} \text{ in.}$		8 11	6	A = A	AGILUX, LTD.		_	А	
6½ x 8½ in.		22	o	A	Agiscope enlarger‡	165	0	A	
without glass 8 x 10 in.		36	0	A	WILLIAM R. WARNER & CO., LTD).		ı	
10 x 12 in. 12 x 15 in.		47 60	6	$\frac{A}{A}$	Gelusil suspension 24 oz. 9 0			3	
PHARMACEUTICAL SPECI	ALITIES	(MA		&	MAX FACTOR HOLLYWOOD & I	ON	DO		
BAKER), LTD. (to trade fr	om Janu	ary 1	6,	to	(SALES), LTD.			1	
public from February 13).					Fluid rouge† Hi-Fi fluid make up†	5 8	3		
Largactil tablets 10 mgm, 50		6	9	R	· ·	ď	-	1	
500		58	9	R	CUXSON, GERRARD & CO., LTD. First-aid outfit A.178 17 0				
25 mgm, 50 500		10 90	0	R R	First-aid outfit A.178 17 0 A.179 27 0			1	
100 mgm, 500		330	0	R					
1-c.c. ampoules 2.5 per cent.		9	0	R	COTY (ENGLAND), LTD.	7	6		
2-c.c, ampoules 2.5 per cent.		,	U	٨	Matador lipstick† refill†		3		
10		13	9	R	KODAK, LTD.		0	8	
50		62	6	R	Kodak varnish 8 oz.	6	U	1	









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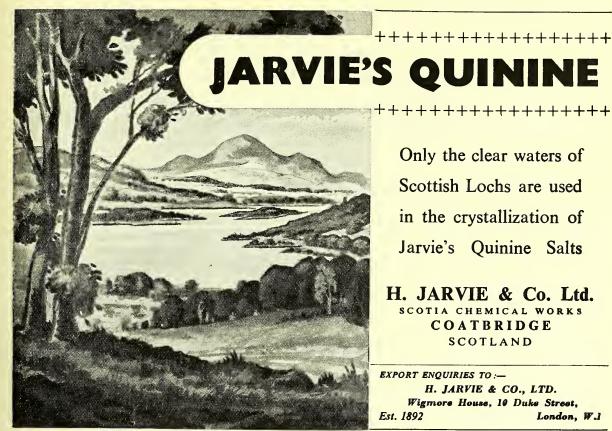
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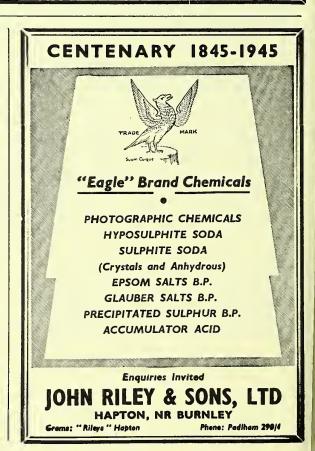
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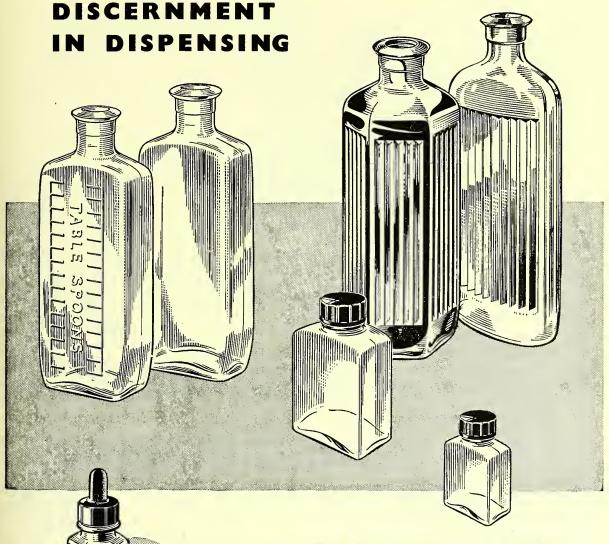
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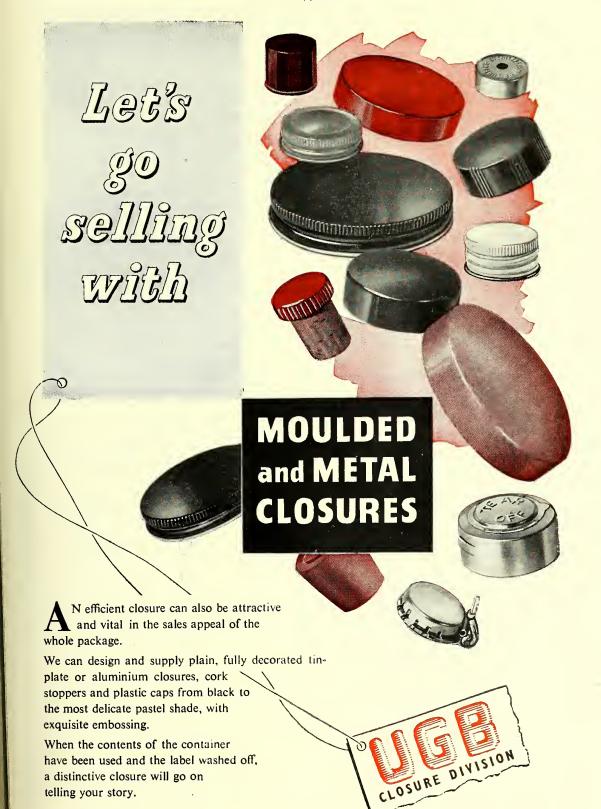
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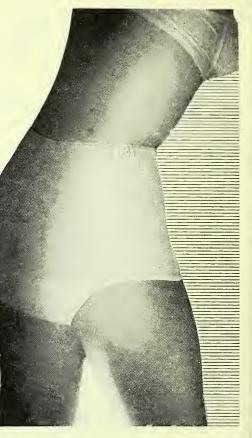


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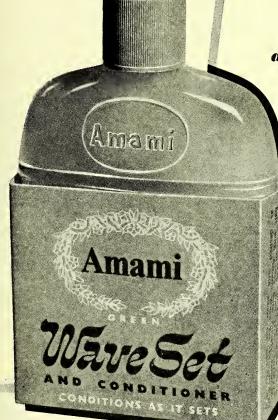
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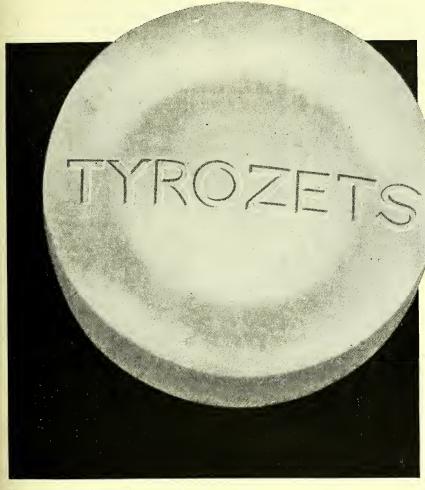
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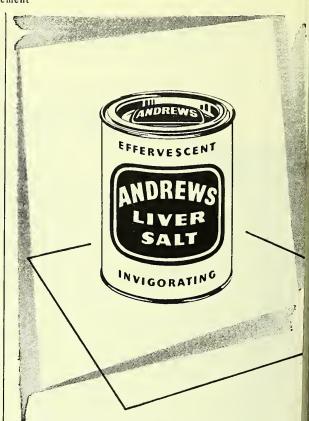
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elements provide the Rays which are accurately focused by a highly polished fluted reflector.

Housed in a cream enamel case with hinged doors, rubber feet and a chrome-plated stand, the whole appliance measures only 9 x 9 x 3½ in. -the ideal appliance for Treatment at Home. The Medical profession prescribe UV and Infra-Red Treatment for many chest ailments, skin infections and nervous disorders—
You'll do valuable business when you Display the PIFCO

Sunmaster.

Order Now from your usual Wholesoler, or write: — PIFCO LTD., Watling Street, Manchester, 4. London: 36-37 Upper Thames Street, E.C.4.





Style No. 315 hite, Navy, Saxe Blue, Green.

SW 21/4 W 22/4 WX 22/4 OS 25/6





New KOTEX* prices from February 1st

KOTEX TWELVES

Consumer price 2'
Trade price per doz. 18'3

case content 4 doz.

KOTEX FIVES

Consumer price 1'
Trade price per doz. 9'
case content 6 doz.

Orders dated before February 1st, for immediate shipment will be invoiced at January prices. Kotex may be included with Kleenex and/or

Delsey for Special Display allowance.

AND A NEW KOTEX SERVICE

The new pearl-grey Kotex box is factory-wrapped in plain brown paper. Just hand a pre-wrapped box of Kotex sanitary towels straight to your customers—or let them help themselves. Saves cost of wrapping—saves time for you, assistants, customers. And for your convenience one box in four comes unwrapped for display purposes.

Don't forget Kotex Fives are now packed in a plain, creamcoloured, tailored bag, with a tear-off label.

KIMBERLY-CLARK LTD., CARKERS LANE, LONDON, N.W.5. *Regd. T.M.

Supplement 28 ESSEX STREET, STRAND, LONDON, W.C.2

ORRIDGE 8 COMPANY

184 STRAND, W.C.2 Tel.: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078

PREMISES FOR SALE

17/6 for 36 words (min.) then 4d, per word Box 2/-

ESSEX COAST, Excellent opportunity to acquire old-established business on sea front, owner retiring. Excellent seasonal and good family trade, Could be considerably developed. Average turnover £6,000, Good lease at reasonable rental, Box C 3300.

BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d. per word Box 2/-

£4,750: Newly built shop, with excellent living accommodation, in superb position in busy thoroughfare, with tremendous development adiacent; high street position, 1½ miles Woking. Surrey. At present run as druggist and dry cleaners, with scope for expansion, Large shop, 20 ft, frontage, lounge/dining room, kitchen, bathroom, 3 bedrooms, garage space from service road at rear, Price includes freehold and goodwill, Further details from the Sole Agents, Preston & Co., 25 Commercial Road, Woking. Cd.: 1943; 2611.

BOURNEMOUTH

OLD-ESTABLISHED CHEMIST BUSINESS,

taking £8,500 p.a. Well situated near sea. Good-class area. Spacious, modern liv. accom. £5,950 freehold, s.a.v. Good mortgage available. Full details, Rebbeck Bros. (Business Dept.), The Square, Bournemouth, Tel.: 5091-4.

APPOINTMENTS

18/- per half inch (min.) and pro rata.

Box 2/-

THE UNIVERSITY OF LEEDS

Applications are invited for Imperial Chemical Industries Limited Research Fellowships in Applications are invited for Imperial Chemical Industries Limited Research Fellowships in Bacteriology, Biochemistry, Biomolecular Structure, Botany (Plant Biochemistry and Biophysics), Chemical Engineering, Chemistry of Leather Manufacture, Chemotherapy, Colour Chemistry and Dyeing, Engineering (Civil, Electrical or Mechanical), Fuel and Refractories, Geology (including Geochemistry), Metallurgy, Mining (Selective Flotation and Geophysical Surveying, Pharmacology, Physics, Physiology or Textile Industries (Chemistry of High Polymers (keratin and manmade fibres), Textile Technology and Wool Textile Engineering). The Fellowships will be of an annual value within the range £600-£900 a year according to qualifications and experience and will normally be tenable for three years. Further particulars can be obtained on request, Three copies of applications (one in the case of applicants from overseas), together with the names of two referees, should reach the Registrar, The University, Leeds, 2, not later than 14th April, 1956.

CENTRAL MIDDLESEX HOSPITAL,

PARK ROYAL, N.W.10
Locum Pharmacist
required from January 30. Salary 14 gns. p.w.
Apply stating age, qualifications and experience,
with referees to the Chief Pharmacist. C 9655

BRADFORD "A" GROUP HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

Pharmaeist required at the Bradford Royal Infirmary (Category V Hospital), Salary in accordance with Whitley Council decisions. Applications, stating age, experience, and names of two referees, to the Secretary, Bradford Royal Infirmary. C 9626

BRADFORD EDUCATION COMMITTEE. TECHNICAL COLLEGE, BRADFORD

BRADFORD

Applications are invited for the appointment of an ASSISTANT (GRADE B) in PHARMA-CEUTICS in the College.

The salary, including allowances, may range from £525 to £964 per annum for men, and from £475 to £772 per annum, plus equal pay increments, for women, according to the Burnham Scale. The commencing salary will depend upon qualifications and experience, and may be increased up to a maximum of 12 increments in respect of approved service in industry.

try.

Further particulars of the appointment and forms of application may be obtained from the Director of Education, Town Hall, Bradford, and completed forms should be returned to the Principal of the College as soon as received. possible.

A. SPALDING,
Director of Education
C 9641 SPALDING

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, N.W.10 Pharmacist

required, Category V Hospital, Salary in accordance with the Whitley Council Scale. Applications, stating age, qualifications and experience, and the names of two referees, to C 9622 Chief Pharmacist immediately.

CHERRY KNOWLE HOSPITAL, RYHOPE, Nr. SUNDERLAND, Co. DURHAM

Pharmacist
part-time (approximately 6 half-days weekly),
Remuneration according to national scales for
Health Service, viz., 34s, per session of four
hours (Pharmacist-in-sole-charge), Active
Psychiatric Hospital of 850 beds, Written applications forthwith to the Group Secretary,
C 9621

CRUMPSALL HOSPITAL, **MANCHESTER, 8**

Assistant Pharmacist
A vacancy exists for an Assistant Pharmacist
Please apply by letter to the Hospital Administrator as soon as possible C 9563

NEWMARKET GENERAL HOSPITAL, SUFFOLK Assistant in Dispensing

Applicants should hold the certificate of the Society of Apothecaries, Salary in accordance with Whitley Council Scale.
Applications stating age, experience, qualifications and the names of two referees to the Medical Superintendent, C 9614

GOODMAYES HOSPITAL MANAGEMENT COMMITTEE, BARLEY LANE, GOODMAYES, ILFORD, ESSEX

ILFORD, ESSEX
Assistant in Dispensing
Applications are invited for the post of Assistant in Dispensing (full/part time); salary aged 22 and over £355 x £15 (3) x £20 (1) x £15 (3) -£465 per annum plus London Weighting £20/£30 (according to age) for 39-hour weck. Part-time over 18 hours proportionate to full-time salary as above. Applicants should possess the certificate of the Society of Apothecaries or equivalent for which additional payment of £20 per annum will be made, Applications with names of two referees should be sent to the Secretary of the hospital immediately. C 9648

HACKNEY HOSPITAL, LONDON, E.9 (General—841 Beds)

C 240

NOTTINGHAM No. 2 HOSPITAL MANAGEMENT COMMITTEE

Pharmacists
Applications are invited for two posts of Pharmacist at the Nottingham City Hospital (Category V), The positions offer excellent experience, and would suit newly qualified persons (previous hospital experience not acception). essential).

Salary scale £500—£725 plus £25 for higher qualification.

Applications, stating name and qualifications, together with the names of two referees, should be sent as soon as possible to the Group Secretary, Nottingham No. 2 Hospital Management Committee, Sherwood Hospital, Notting-ham. C 9656

PRISON AND BORSTAL SERVICE AT H.M. PRISONS, PENTONVILLE AND BRIXTON, LONDON

Chief Pharmacists, Category I
Applications from men are invited for two
appointments in the Prison and Borstal Service
at H.M. Prisons, Pentonville and Brixton, London.

London.

Applicants who should be not less than 25 years of age, must be registered Pharmacists.

Salary £625 x £30—£835 x £15—£850, Starting point according to age, experience and qualifications. London posts carry a £30 addition up to £800 and £40 on £801 and over, An allowance of £25 is payable in addition to holders of a recognised higher qualification.

Regulations and application forms from the Establishment Officer (\$1/7/9), Prison Commission, Room 204, Horseferry House, Dean Ryle Street, London, S.W.1, to be returned by February 10, 1956.

ST. MARGARET'S HOSPITAL, **EPPING**

Pharmacist

required at the above hospital, Salary and conditions of service in accordance with those laid down by the Pharmaceutical Whitley Council. Apply, giving details, to Superintendent of hospital.

C 9592





SALES MANAGER

Applications are invited from gentlemen aged 35 to 45 who have considerable experience in a similar capacity with an ethical pharmaceutical firm, and who are pharmacists.

The vacancy has arisen because of promotion within a rapidly expanding organisation, and offers an exceptional opportunity to a man capable of carrying heavy responsibility and of exercising initiative.

Remuneration will be substantial and progressive, and there is a pension scheme.

Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10.

Appointments—Continued

SOUTHEND-ON-SEA HOSPITAL MANAGEMENT COMMITTEE, GENERAL HOSPITAL, ROCHFORD, ESSEX

ROCHFORD, ESSEX
(Category III Hospital)
Senior Pharmacist
Applications are invited for the post of Senior
Pharmacist in a well-equipped Department. The
post is interesting and offers scope for a
Pharmacist with initiative and enthusiasm.
Salary according to Whitley Council Scales.
The Hospital is situated near Southend-on-Sea
and resident accommodation could be provided
for female applicant if necessary.
Applications, stating age, qualifications and
experience, with names and addresses of two
referees, should be sent to the undersigned as
soon as possible.

soon as possible.

J. C. FIELD, Secretary. C 9646

ST. PETER'S HOSPITAL, CHERTSEY, SURREY (404 Beds)

Pharmacist required, Salary £500-£725 p.a. according to experience. Whitley Council conditions, Accommodation available for single woman at £135 p.a. Applications stating age and experience with names of two referces to Hospital Secretary. Secretary.

THE BETHLEM ROYAL
HOSPITAL AND THE
MAUDSLEY HOSPITAL
Senior Pharmacist
required at the Maudsley Hospital, Denmark
Hill, S.E.5. The hospital is a Psychiatric Teaching Hospital associated with the Institute of
Psychiatry in the University of London, Salary
scale as agreed by the Pharmaceutical Whitley
Council rising to a maximum of £805 a year
including London Weighting. £25 a year for
higher qualification allowed. Apply giving details of qualifications, experience and names of
two referees to K. J. Johnson, House Governor
and Secretary, Maudsley Hospital, Denmark
Hill, S.E.5. C9562

THE LONDON HOSPITAL, WHITECHAPEL, E.1

has vacancy for registered pharmacist. Salary £500 rising to £725 plus London Weighting according to previous experience and service. Diring room facilities available. Write Secre-C 219

WILLESDEN GENERAL HOSPITAL.

HOSPITAL,
HARLESDEN ROAD, N.W.10
Chief Pharmacist, Category III
required on retirement of present holder
March 31, 1956. Salary on Whitley
Council scale, Applications, with full details
und names of two referees to Group Secretary.
Central Middlesex Group Hospital Management Committee, Acton Lane, N.W.10, by
February 4, 1956.

WEST HAM GROUP HOSPITAL

WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE, STRATFORD, LONDON, E.15
Deputy Chief Pharmacist required at Oucen Mary's Hospital for the East End, Stratford, E.15. (Category IV.) Whitley Council salary and conditions of service: £625 rising by annual increments to £850 per annum, plus London Weighting.
Applications with copies of recent testimonials to the Group Secretary, West Ham Group Hospital Management Committee, Stratford, E.15. C 9649

XIII CHESTER AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE

GROUP PHARMACY
Senior Pharmacist
Applications are invited for the post of Senior
Pharmacist, Whitley Council salary and conditions of service.
Applications giving full details of age, qualifi-

cations and experience, together with the names and addresses of two referees should be forwarded to the Group Secretary, 5 King's Buildings, Chester.

SITUATIONS VACANT 12/- for 36 words (min.) then 4d. per word Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

RETAIL (HOME)

ASSISTANT MANAGER required for Reversal Film Processing Station, Permanent position, Applications treated in strict confidence, Full details to Box C 9659.

ASSISTANT PHARMACIST required by oldestablished firm of Bristol ehemists at their main branch. Excellent salary and prospects for the right person. Apply the Secretary, 107 Fishponds Road, Bristol, 5.

Fishponds Road, Bristol, 5. C 236
BURNT OAK, Branch Manager Pharmaeist required for busy shop and good dispensing connection. Excellent opportunity for ambitious man to carn substantial salary and bonus, Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits, Accommodation available if required, Apply with full details stating when available for interview to Box C 3271.

for interview to Box C 32/1.

DONCASTER CO-OPERATIVE CHEMISTS,
LTD., require the services of Pharmacists (male
or female) as branch managers, 44-hour week;
minimum annual salary £840; bonus, increments
for sales increases, Rota duties are additional
payments. Applications with usual particulars
to the Superintendent Chemist, Doneaster
Co-operative Chemists, Ltd., P.O. Box 20,
Doncaster. C 199

EXPERIENCED LADY, surgical belt and truss fitter, required by an old-established firm in the Westminster-City area, Reasonable hours and canteen available, Write stating age, details of career and salary required, Box C 3290, LONDON, S.W. Wanted, assistant for dispensing, etc. Good hours and salary, Box C 3275

C 3275.

NORTH LONDON, Unqualified assistants required with dispensing experience for vacancies situated in N.W. district, Salary according to age and experience. Permanent positions. Three weeks holiday a year, Hours 9 a.m. to 6 p.m. Thursday 1 p.m. Apply to A. R. Cross, Ltd., 476 Hertford Road, Enfield, or telephone Howard 1723 or 2916. C 9653

OWING TO BEREAVEMENT of principal, superintendent pharmacist required by private limited company, Family dispensing business. Competent staff. Please apply submitting full details to W. J. Taylor, W. H. Taylor (Worcester), Ltd., 41 The Tything, Worcester.

PHARMACIST MANAGER required immeditimedials

PHARMACIST MANAGER required immedi-

PHARMACIST MANAGER required immediately. New modern pharmacy, Liverpool suburban estate. Salary £20, plus, Must be experienced staff control, Large turnover, etc. Position permanent, Excellent prospects and profits bonus, Full details, Box C 3297, ROYAL PARADE PHARMACY, Hunstanton, Norfolk, nr. Sandringham, and 16 miles from King's Lynn, requires experienced assistant in dispensing, leady, or one with knowledge of dispensing, counter and good toilets. Apply, stating age, experience and salary required. Tel.: Hunstanton 29, C 3267 WANTED. Qualified chemist to take over

WANTED. Qualified chemist to take over pharmacy department of wholesale and retail departmental store. Excellent prospects for person of ability and personality, Superannuation. Commencing with nominal directorship. Apply giving full particulars to Messry, S. G. Benest & Son, Ltd., Millbrook, Jersey, Channel Islands. Islands.

Names, C 3305

WOODFORD. Excellent opportunity for Pharmacist to manage family-type business in pleasant district. Permanency with superannuation benefits, Good salary and commission, Nicely fitted shop with adequate supporting staff. Accommodation available if required. Apply with full details stating when available for interview to Box C 3270.

LOCUMS WANTED

LOCUM TENENTES PHARMACISTS are required for an extended tour of duties in the London and Suburban districts, Permanency at conclusion of tour if desired, Hours 9 a.m. to 6 p.m. Paid holiday, Salary and expenses basis, Applications to Chief Pharmacist, London Cooperative Chemists, Ltd., Grange Road, Leyton, E.10.

QUALIFIED LOCUM required for any time now until the autumn, or on a permanent basis if applicant so desires, for taking full charge of our pharmacies in the South London area. Salary and expenses, All pharmacies fully staffed, Undeniable references essential. Interviews arranged at company's expense Please give all details of age, experience, etc., to the Managing Director, Arnold M. Gec, Ltd., 12 High Street, Colliers Wood, S.W.19.

-RIKER -

Riker Laboratories, Ltd., are again expanding their representative force and invite applications for vacancies in the following areas:

1. Durham.

Liverpool and the Wirral Peninsula.

Yorkshire (two vacancies—the West Riding, and North and East Riding).

A pharmaceutical qualification is desirable but consideration will be given to other suitably qualified persons. A Company car is provided and remuneration is by salary, expenses and bonus. There is a Company pensions' scheme in operation. Previous experience is not essential as full training will be

Apply in writing in the first instance to Sales Department, Morley Street, Loughborough, marking the envelope "Medical Representative.

MEDICAL REPRESENTATIVE

required for the London area. Preference given to applicant with good pharmaceutical background, personality and enthusiasm.

Representative is to visit doctors and hospitals, as well as pharmacies.

Good salary, liberal expenses, as well as a congenial and stable situation are offered.

Applications with photograph, giving full particulars of age, qualifications, experience and salary required to Box C 3274.

Situations Vacant—Continued

RETAIL (OVERSEAS)

LADY CHEMIST REQUIRED for pharmacy in city in S. Rhodesia, must be capable of taking charge when required. Excellent prospects, Commencing salary £85 per month, Passage paid out, Reply Box C 3284.

PHARMACISTS REQUIRED by English company for service in British West Africa, Progressive salary. Free furnished accommodation. Free medical services, Contributory pension fund with generous pension at age 55. Tours of about eighteen months with leave on full pay. Initial kit allowance, first-class passages by air or steamer provided, Low income-tax rates, Reply giving full particulars to Box C 3287.

WHOLESALE

A FIRST-CLASS experienced sales representa itie is offered an excellent opportunity with established company selling ladies' and gentlemen's hair preparations to chemists, Salary £12 per week, liberal commission and travelling expenses paid, Applications invited for South Wales/Midlands/Hampshire, Box C 9606,

expenses paid, Applications invited for South Wales/Midlands/Hampshire. Box C 9606.

A LEADING GROUP OF COMPANIES with an international reputation in the pharmaceutical industry have a vacancy for an assistant technical manager. The successful applicant should be either a chemist, a pharmacist or a chemical engineer and must have held the position of works manager in a factory within the pharmaceutical or chemical industry and be experienced in modern production methods. Technical qualifications should be the equivalent of a university degree. The position entails co-ordinating the technical activities of overseas factories (under the direction of the technical director) in the field of both production and quality control and will necessitate visiting overseas factories when necessary. This vacancy offers an interesting and exceptional opportunity on the overseas technical development side of the organisation. The successful applicant will be eligible for membership of the profits participation scheme and the executive non-contributory pension scheme. Apply in writing only giving full details of qualifications, age and experience to Box C 9627.

AYRTON, SAUNDERS & CO., LTD, require Pharmaceutical Chemist for analytical and research work, preferably with some experience, Applicant will be encouraged to work for A.R.I.C. if not already so qualified, Good opportunity, 5-day week, Pension scheme, Full details of age, qualifications and experience to Technical Director, 34 Hanover Street, Liverpool, 1. C 9556

BOOTS PURE DRUG CO., LTD.
Pharmaceutical Development Department Pharmaceutical Development Department A vacancy exists for a pharmacist in the Sterile Products Section of the Pharma-ceutical Development Department for work on formulation, Salary according to age and experience, Five-day week, Pension Scheme, Applications with full particulars should be made to the Personnel Manager, Station Street, Nottingham. C 9642

BAYER PRODUCTS LTD., require a young pharmacist for their Product Development Department to be located in a new factory at Newcastle-on-Tyne. The Company is expanding rapidly and there are excellent prospects in this field. Apply with details of career to:—Bayer Products, Ltd., 15 Central Avenue, West Molesey, Surrey, Tel.: Molesey 3262. C 9639 CHEMICAL PROCESS WORKER required at once by Wright, Layman & Umney, Ltd., for production of fine chemicals. The position is permanent and offers an excellent opportunity for a keen energetic worker with ambitions for further promotion. Canteen facilities available, 5-day week and pension fund in operation. Apply with full particulars of previous experience to: Works Director, 66/76 Park Street, S.E.I. C 9553

DUE TO A POLICY OF EXPANSION a company of international repute, the leader in its field, marketing nationally advertised specialities will shortly be appointing an additional representative to call on retail and wholesale chemists in the area comprising South-west London, The position will be permanent and pensionable, Remuneration is by salary and commission and is above average. Full expenses with car provided, Applicants, who must be between the ages of 25/40 and prepared to reside in the area appointed, should forward full details of past experience, which will be treated in strictest confidence, to PSM Box CD, 294 LPE, 55 St. Martin's Lane, W.C.2. C 9650

EXPERIENCED MALE DRUG ASSEMBLER/PACKER/CHE/CKER required by old-estab-

W.C.2. C 9650
EXPERIENCED MALE DRUG ASSEMBLER/
PACKER/CHECKER required by old-established S.E. London manufacturing chemists
and druggists. Five-day week, Details of
wages, experience, etc., to Box C 9651.
EXPERIENCED REPRESENTATIVES required
with good live connection amongst ladies' hairdressees and stores for London and other terri-

dressers and stores for London and other terriuressers and stores for London and other terri-tories by well-known progressive manufacturers. Commencing salary £500 per annum plus com-mission and expenses. Replies giving fullest details to Box C 3238.

EXPERIENCED TABLET-MAKER and gran-ulator required by manufacturing chemists in S.E. London, Five-day week, Apply stating salary required to Box C 9660.

Salary required to Box C 9000.

GLASCOW. The opportunity arises for keen and capable man to take over and develop established connection of well-known ethical house. The position is permanent and pensionable with salary, expenses and commission. Qualifications or experience not essential but sound pharmaceutical background and residence on the territory is necessary. Write in confidence with full details of career in first instance, Our staff know of this advertisement, Box C 9574.

INVOICE TYPIST urgently required. Hours 9 to 5.30. No Saturdays, Canteen facilities. Write or telephone for an appointment to The London Essence Co., Ltd., Albany Road, Camberwell, S.E.5, Tel.: Rodney 2324. C 234 Camberwell, S.E.5, Tel.: Rodney 2324, C 234
LADY with analytical knowledge required for
Manufacturing Chemists, testing raw material
and the finished products, New factory, good
working conditions. Southall Bros, & Barclay,
Ltd., Birmingham, 5.

C 9628
OLD-ESTABLISHED pastille manufacturers
require representatives. Choice of areas. Brief
details of career to date required in first instance. Write Box "W" 2079, Frost-Smith
Advg., 64 Finsbury Pavement, London, E.C.2.
C 9616

LEADING RUBBER MANUFACTURERS
require an experienced representative, of outstanding personality and above-average sales
ability, who has an established connection with
chemists, hardware dealers, ironmongers and
the large stores in West Lancashire, Cheshire
and North Wales, Applicants must be car
owners Remuneration by salary, commission
and expenses, All replies, which will be treated
in confidence, in writing, in the first instance,
to the Home Sales Manager, William Freeman
& Co., Ltd., Suba-Seal Works, Peel Street,
Barnsley, Yorkshire. C 9645

MEDICAL REPRESENTATIVES

MEDICAL REPRESENTATIVES

Due to expansion Sandoz Products, Ltd., invite applications from young men for the appointment of medical representative in the following areas:—(a) Sheffield area, including part of West Riding of Yorkshire; (b) Cambridgeshire, Huntingdonshire, Norfolk and Suffolk; (c) South Wales, including South Welsh counties and Monmouthshire; (d) Oxfordshire, Berkshire, Buckinghamshire, Northamptonshire and Wiltshire; (e) Glasgow, North of the River Clyde and North-west Scotland, Attractive salary. Superannuation scheme in operation. Thorough training given, Age not exceeding 32. Applicants should be pharmacists (preferably F.P.S.), Please send full details of age, education, qualifications and experience, with photograph (which will be returned) to Staff Manager, Sandoz Products, Ltd., 134 Wigmore Street, London, W.1.

PART-TIME REPRESENTATIVES required in PART-TIME REPRESENTATIVES required in all areas to work on commission basis for nationally advertised hair preparation selling to wholesale and retail chemists, stores and hairdressers. Write giving details of area covered, etc., to Box C 3299.

PART-TIME REPRESENTATIVES required to work on good commission basis for nationally advertised hair beauty preparations selling to wholesale and retail chemists, stores and hair-dressers. Well established existing connection with excellent prospects for first-class men able and willing to advance existing business. Areas vacant are: (a) South London, Surrey, Kent, Sussex; (b) Northamptonshire, all Eastern Counties and Bedfordshire, Hertfordshire, Oxfordshire, Buckinghamshire and Berkshire. Apply, in confidence, to Sales Manager, Box C 3276.

PHARMACIST required by manufacturing chemist (Surrey) to act as assistant chemist. The successful applicant will be required to deal with production and controls: for the duties involved experience in some field such as hospital practice, analytical work or otherwork involving a similar standard of accuracy would be desirable. Commencing salary £850 Write Box C 9652.

PHARMACEUTICAL MANUFACTURERS o international reputation require tablet maker o improver standard. Age 20/35 years. This is an opportunity for a young reliable person to improve his position and widen his experience Location Liverpool area. Box C 9633.

QUALIFIED CHEMIST required for production and development work on cement wa finishes. Some knowledge of synthetic resir an advantage, Box C 3303.

EXPORT MANAGER

Progressive ethical manufacturers require experienced man, preferably qualified, to take charge of new department dealing with export sales. Applicants should be ambitious and prepared to build up from small beginnings to create a worth while future for himself. Residence in the London area is necessary. Commencing salary up to £1,200 and a pension scheme is available. Full details in strict confidence to Managing Director, Box C 9575.

ROCHE

Medical Representatives

Expansion and Promotion have created the following vacancies:

1. South Wales. 2. London (North and East). 3. Oxford, Bucks, Berks, Northants.

Previous experience not necessary but applicants should hold a pharmaceutical qualification. Applicants with no pharmaceutical qualification should give adequate details of experience, education and/or academic attainment to warrant consideration. Usual expenses and salary commensurate with experience. Contributory pension scheme.

Detailed applications, which will be treated as confidential, to the Secretary, Roche Products, Limited, 15 Manchester Square, London, W.1.

Situations Vacant—Continued

PRODUCTION CHEMIST required for expanding British branch of Revlon International Corporation marketing national advertised cosmetic products, Factory situated in South Wales. Applicant should preferably have Chemistry degrees or equivalent qualification, Experience should have included work on manufacturing although not necessarily in cosmetics and should not have been confined to the laboratory. The position calls for a man with initiative and drive and the ability to supervise manufacturing staff and will command commensurate salary, Applicant should submit full details in writing including age, education, training and experience together with salaries earned to G. MacNab, Revlon International Corporation, 21 Grosvenor Street, W.1. C 9661

REPRESENTATIVES: Well-known manufacturer, importer and distributor of photographic apparatus and accessories requires, in many areas, representatives with established chemist connections, These gentlemen should at present be carrying non-photographic lines and be seeking increased income from other sources, Remuneration by commission, Please write giving details of territory covered and lines now being carried, Box C 3304.

REPRESENTATIVES

Commencing just prior to Easter an inter-nationally known house of manufacturing chemists will require the services of reprechemists will require the services of representatives on a salary/expenses/commission basis to market a limited range of toilet preparations in the following areas: South-west England; North-east England; South Wales and West of England, the Home Counties; South of England, Although backed by a good, national advertising campaign and sales aids, the advertisers have no hesitation in saying that to begin with the going will be tough, Applicants must be car owners. Those interested write in confidence to Box C 9643, giving details of previous experience, etc. of previous experience, etc.

REPRESENTATIVES wanted all areas U.K. calling chemists retail and wholesale, and stores, to carry four good lines. State exact area covered, and other lines carried. Box C 3269.

SALES EXECUTIVE, Applications are invited SALES EXECUTIVE. Applications are invited for the post of sales executive with Lancashire manufacturing chemists. The successful applicant will have a good record as a sales producer, probably in the proprietaries field, and is likely to be nearer 30 than 40. Some knowledge of administration and marketing is needed, and interest in them is according to the propriets. and interest in them is essential. This is a rewarding and developing opportunity on which full information will be given at first interview. Write, in full confidence, to Managing Director, Box C 3285.

WANTED. Thoroughly competent chemist trained manager to take charge of Wholesale Distributors Midlands business, Old established firm. Top rates and progressive appointment. Apply Box C 9637.

AGENTS WANTED

17/6 for 36 words (min.) then 4d. per word Box 2/-

ADDITIONAL INCOME by selling our well known sunglasses to retail chemists, stores, etc. Good commission, Vacancies exist in London, Home Counties and South-western area, Accounts to be taken over. Nupro, Ltd., 2 Netherwood Street, London, N.W.6. Mai 9718/9. C 3277

AGENTS REQUIRED to introduce attractively packed new hair toilet preparation, Must be well connected with leading wholesale, retail chemists and stores, London and Home Counties, other areas also available, Commission basis, Box C 9636,

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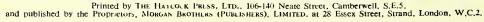
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